SITE INFORMATION

Report Type: Closure Report

General Site Information:		
Site:	**Foster Eddy Federal Tank Battery**	
Company:	**COG Operating LLC**	
Section, Township and Range	**Section 17 - Township 17 South - Range 31 East**	
Lease Number:	**NMLC-049998A**	
County:	**Eddy County**	
GPS:	**32.834431° N**	**103.891006° W**
Surface Owner:	**Federal**	
Mineral Owner:		
Directions:	From intersection of CR-529 and Hwy 82, travel west on 82 1.0 miles, turn right 0.6 miles, turn left 0.4 miles to fork on right, stay left 0.1 miles to well, continue 0.1 miles to 2nd fork, stay left 0.1 miles to tank battery/source of spill.	

Release Data:	
Date Released:	9/24/2011
Type Release:	Produced Water with skim oil
Source of Contamination:	Water tank - pump remained on and alarm failed
Fluid Released:	950 bbls
Fluids Recovered:	750 bbls

Official Communication:			
Name:	Pat Ellis		Ike Tavarez
Company:	COG Operating, LLC		Tetra Tech
Address:	550 W. Texas Ave. Ste. 1300		1910 N. Big Spring
P.O. Box			
City:	Midland Texas, 79701		Midland, Texas
Phone number:	(432) 686-3023		432-682-4559
Fax:	(432) 684-7137		432-682-3946
Email:	pellis@conchoresources.com		ike.tavarez@tetratech.com

Ranking Criteria		
Depth to Groundwater:	***Ranking Score***	***Site Data***
<50 ft	20	
50-99 ft	10	
>100 ft.	0	
WellHead Protection:	***Ranking Score***	***Site Data***
Water Source <1,000 ft., Private <200 ft.	*20*	
Water Source >1,000 ft., Private >200 ft.	***0***	*0*
Surface Body of Water:	***Ranking Score***	***Site Data***
<200 ft.	*20*	
200 ft - 1,000 ft.	10	
>1,000 ft.	**0**	0
Total Ranking Score:	**0**	

Acceptable Soil RRAL (mg/kg)		
Benzene	***Total BTEX***	***TPH***
10	50	5,000

TETRA TECH

August 15, 2012

Mr. Mike Bratcher
Environmental Engineer Specialist
Oil Conservation Division, District 2
1301 West Grand Avenue
Artesia, New Mexico 88210

Re: Closure Report for the COG Operating LLC., Foster Eddy Federal Tank Battery, Section 17, Township 17 South, Range 31 East, Eddy County, New Mexico.

Mr. Bratcher:

Tetra Tech, Inc. (Tetra Tech) was contacted by COG Operating LLC. (COG) to assess a spill from the Foster Eddy Federal Tank Battery, Section 17, Township 17 South, Range 31 East, Eddy County, New Mexico (Site). The spill site coordinates are N 32.834431°, W 103.891006°. The site location is shown on Figures 1 and 2.

Background

On September 24, 2011, a leak was discovered at the facility. According to the State of New Mexico Oil Conservation Division (NMOCD) Form C-141 Initial Report, a water pump failed and released approximately 950 barrels of produced water inside the lined facility firewalls and recovered approximately 750 barrels of fluid.

Due to the volume of the release, some of the fluids overflowed the south firewall impacting an area approximately 35' x 110' south of the tank battery on the facility caliche pad. The spill migrated down the main lease road approximately 650' to the Foster Eddy Well #11 location pad and continued down the lease road approximately 500'. The spill continued approximately 400' down a native arroyo/wash. The spill path is shown on Figures 3. The initial Form C-141 is enclosed in Appendix A.

Groundwater

No water wells were reported in Section 17. One well is listed in Section 34 with a reported depth to groundwater of 271' bgs. According to the NMOCD groundwater map, the average depth to groundwater is approximately 325' below surface. The groundwater data is shown in Appendix B.

Tetra Tech
1910 North Big Spring, Midland,TX 79705
Tel 432.682.4559 Fax 432.682.3946 www.tetratech.com

Regulatory

A risk-based evaluation was performed for the Site in accordance with the NMOCD Guidelines for Remediation of Leaks, Spills and Releases, dated August 13, 1993. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 5,000 mg/kg.

Soil Assessment

Tetra Tech personnel inspected and sampled the spills footprint October 2011. A total of 32 auger holes (AH-1 through AH-32) were installed using a stainless steel hand auger to assess the impacted area. Select samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The auger hole locations are shown on Figure 3.

Analytical Results

Referring to Table 1, all of the auger holes were below the RRAL for TPH and BTEX, with the exception of AH-1. Auger hole (AH-1) showed TPH concentrations of 8,575 mg/kg at 0-1', 7,772 mg/kg at 1-1.5' and declined below the RRAL at 2-2.5' below surface.

A shallow chloride impact was detected at the site, with the majority of the locations vertically defined. Auger hole (AH-5) was installed south of the tank battery pad and AH-4, AH-7 and AH-17 on the lease road. The impacted areas at AH-21 and AH-22 are located on the edge of the lease road in a runoff area. In addition, the areas of AH-28 and AH-29 are located in a wash/arroyo area. Shallow impacted areas exceeding chloride concentrations of 1,000 mg/kg at 0-1' were detected in the areas of AH-4, AH-5, AH-7, AH-17, AH-21, AH-22, AH-28 and AH-29. The deeper samples at 1-1.5' and 2-2.5' significantly declined with depth.

The chloride impact detected in the areas of AH-8, AH-14 and AH-24 showed a deeper impact to the subsurface soils. The areas of AH-8 and AH-24 were installed on the lease road and AH-14 on the well pad/lease road. Samples exceeding chloride concentrations of 1,000 mg/kg were detected in the areas of AH-8 (1.0' to 4.0') and AH-14 (0 to 7.0'). Auger hole (AH-24), located on the lease road, was not vertically defined, with chloride concentrations ranging from 1,070 mg/kg (0-1') to 5,450 mg/kg (2-2.5'). The chloride concentrations declined with depth to 1,880 mg/kg at 7-7.5' below surface.

Closure Activities

Based on the approved work plan, Tetra Tech personnel supervised the excavation of the site. The impacted materials were removed to the depths as highlighted in Table 1 and shown on Figure 4. The excavation depths ranged from 1.0' to 4.0'. The final excavation depths were met as stated in the approved work plan, with the exception of AH-1 and AH-5 areas. Due to the active underground lines in the area, no excavation was performed in these areas for safety concerns and the impacted soil will be deferred until the abandonment of the facility. The remaining areas were excavated to the proposed depths.

Once excavated to the appropriate depth, confirmation samples were collected from the excavation bottoms and sidewalls. The confirmation sample results are shown in Table 1. Referring to Table 1, all of the samples were below the RRAL and the chloride concentrations do not appear to be an environmental concern. In addition, the area of AH-24 did show a declining chloride, with a bottom hole sample of 408 mg/kg at 4.0' below surface. Once approved by the BLM, the excavation was backfilled with clean soil to grade. A total of 400 cubic yards of soil were excavated and transported to CRI for proper disposal.

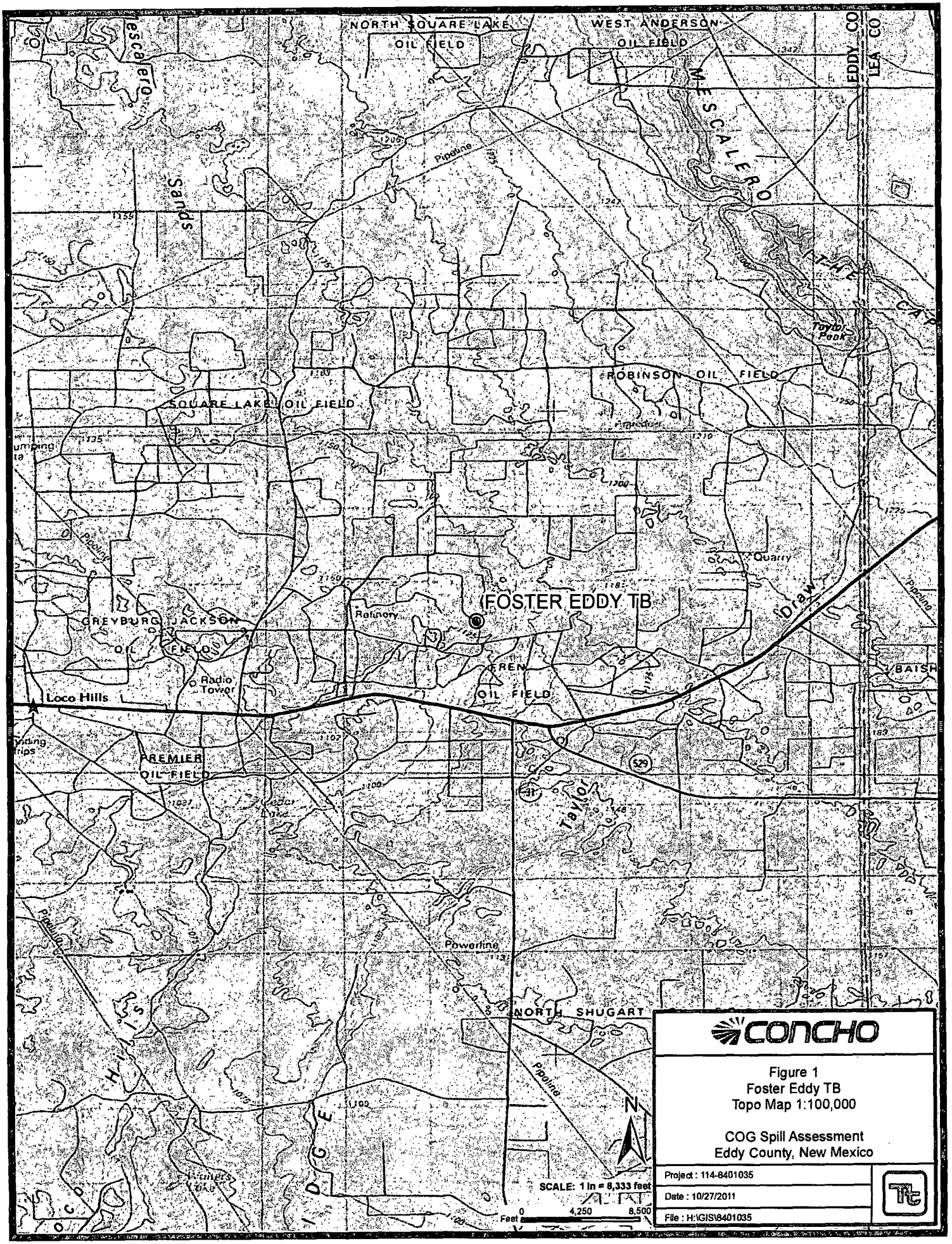
Based on the remedial activities performed, COG requests closure of the site. A copy of the C-141 (Final) is included in Appendix A. If you have any questions or comments concerning the remedial activities, please call at (432) 682-4559.

Respectfully submitted,
TETRA TECH

Ike Tavarez, PG
Senior Project Manager

cc: Pat Ellis – COG
Terry Gregston - BLM

Figures



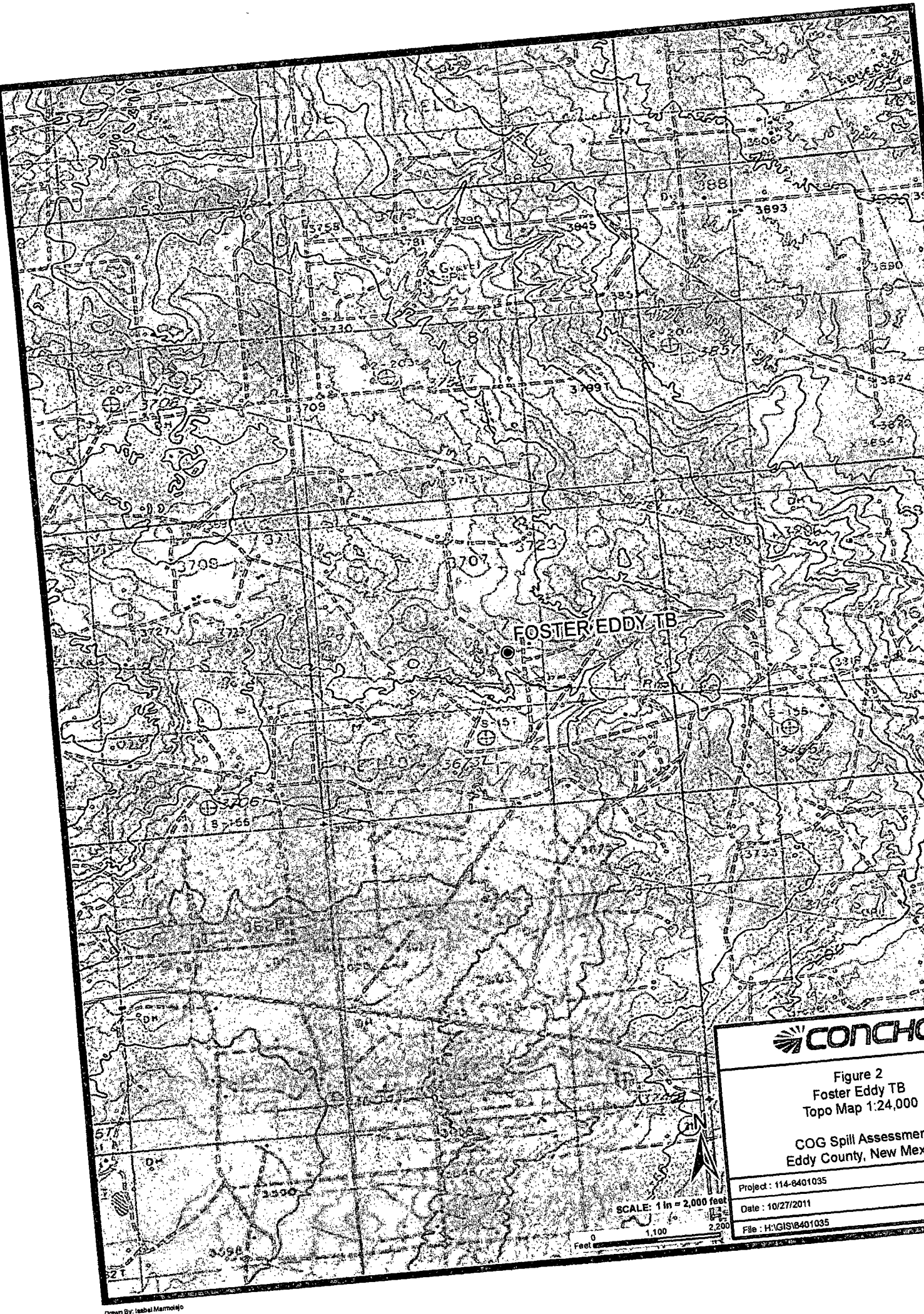
CONCHO

Figure 1
Foster Eddy TB
Topo Map 1:100,000

COG Spill Assessment
Eddy County, New Mexico

Project : 114-8401035	
Date : 10/27/2011	
File : H:\GIS\8401035	

Drawn By: Isabel Marmolejo



CONCHO

Figure 2
Foster Eddy TB
Topo Map 1:24,000

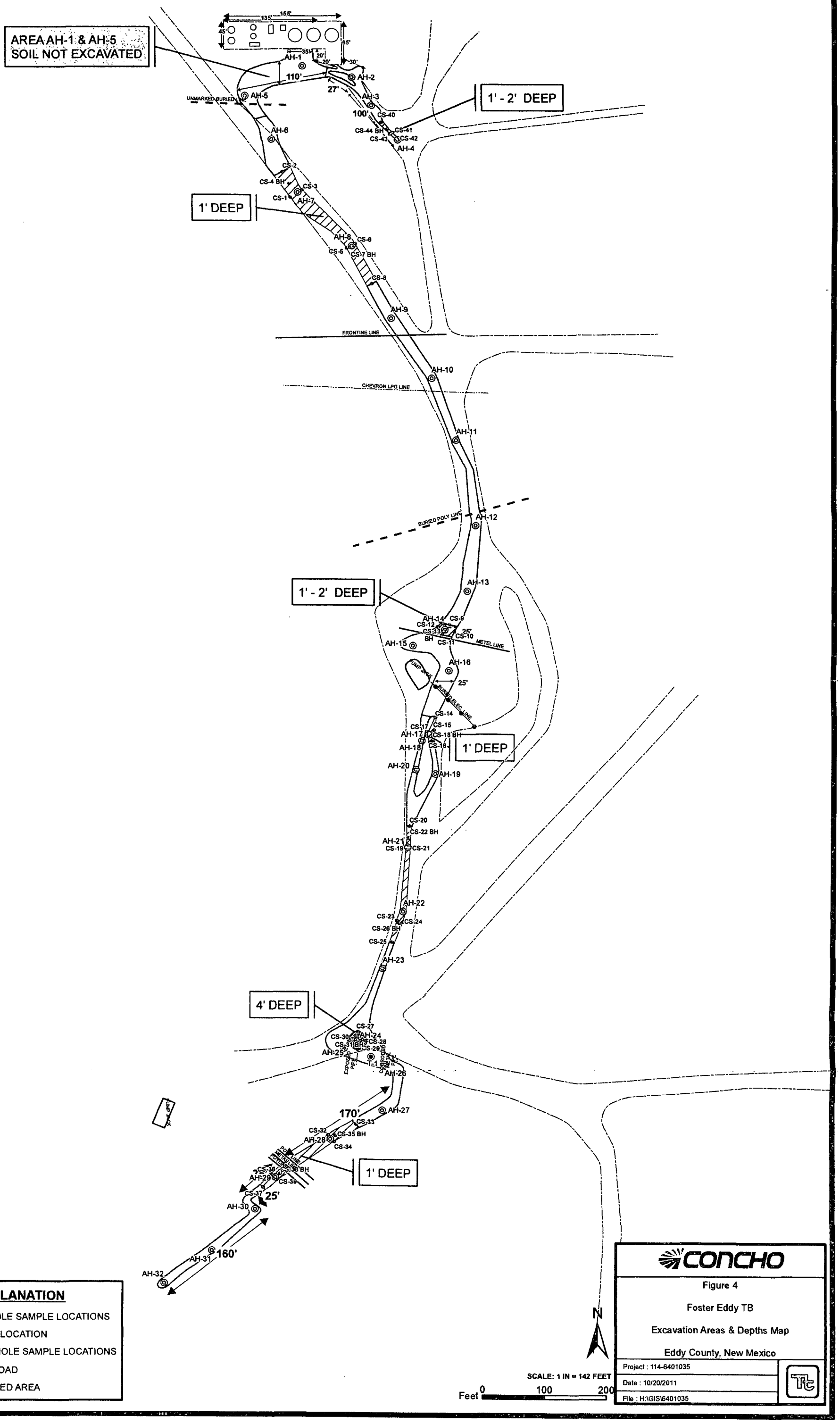
COG Spill Assessment
Eddy County, New Mexico

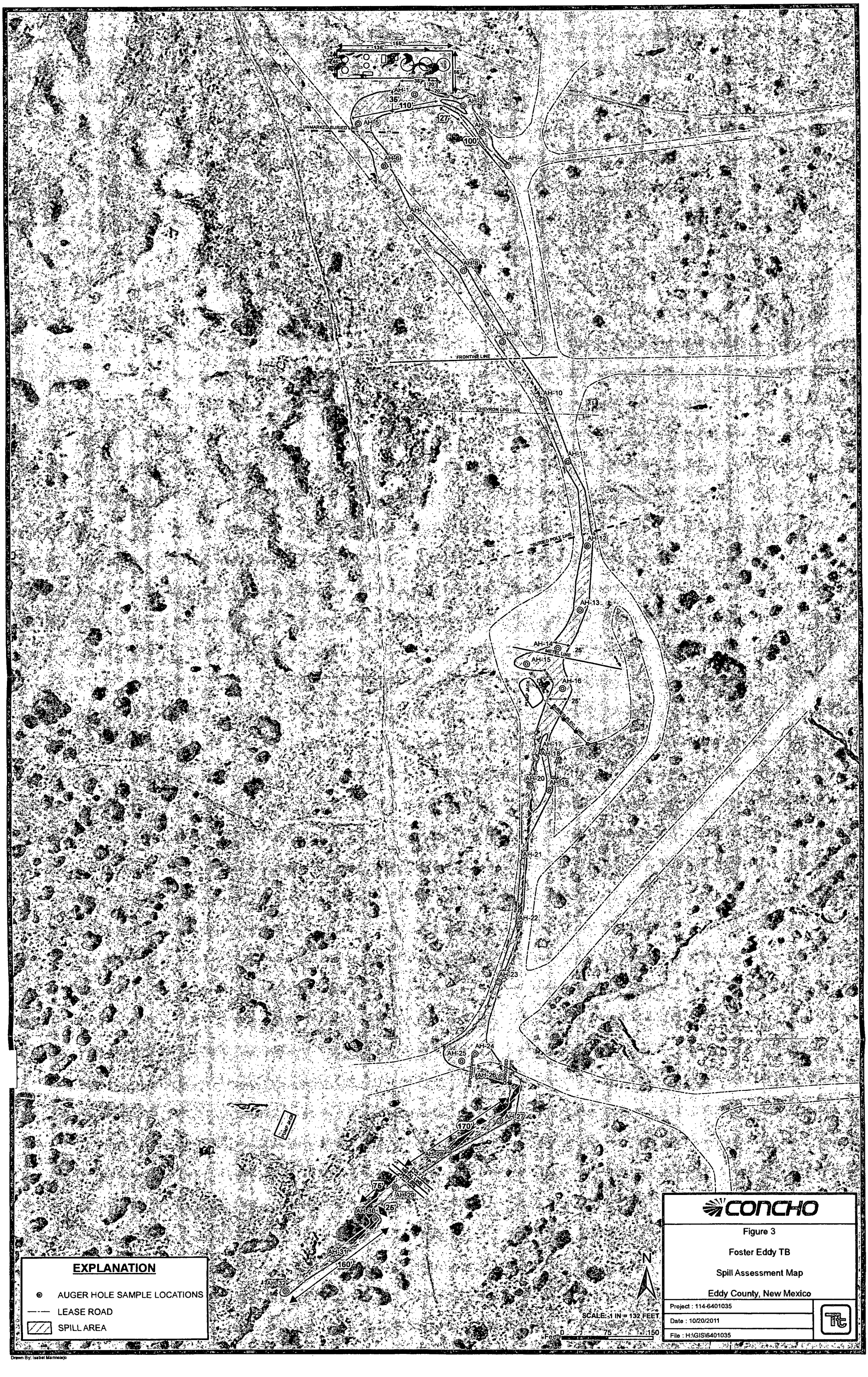
Project : 114-8401035

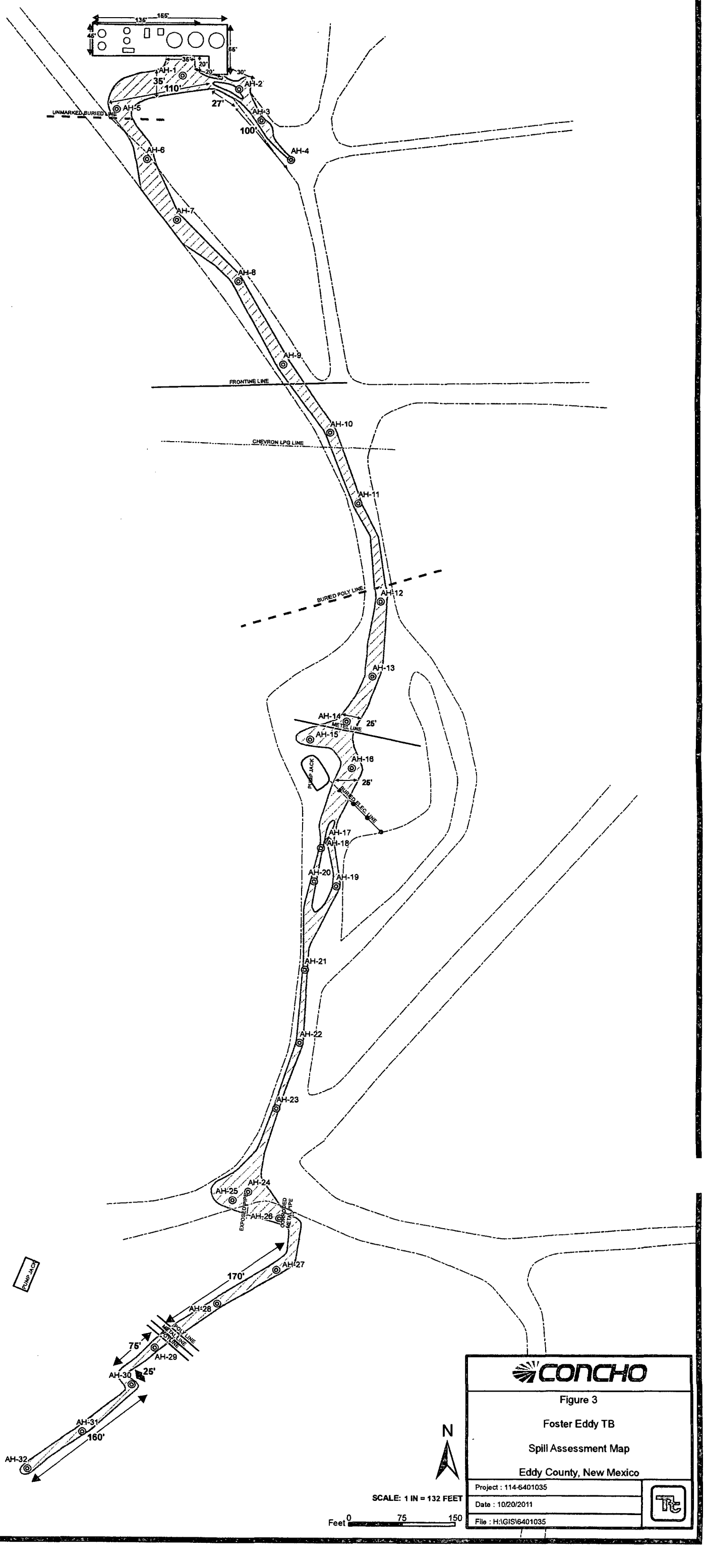
Date : 10/27/2011

File : H:\GIS\8401035

Drawn By: Isabel Marmolejo


AREA AH-1 & AH-5
SOIL NOT EXCAVATED
1' - 2' DEEP
1' DEEP
1' - 2' DEEP
1' DEEP
4' DEEP
1' DEEP
135'
155'
45'
65'
35'
20'
20'
30'
110'
27'
100'
25'
170'
25'
160'
AH-1
AH-2
AH-3
AH-4
AH-5
AH-6
AH-7
AH-8
AH-9
AH-10
AH-11
AH-12
AH-13
AH-14
AH-15
AH-16
AH-17
AH-18
AH-19
AH-20
AH-21
AH-22
AH-23
AH-24
AH-25
AH-26
AH-27
AH-28
AH-29
AH-30
AH-31
AH-32
CS-1
CS-2
CS-3
CS-4 BH
CS-5
CS-6
CS-7 BH
CS-8
CS-9
CS-10
CS-11
CS-12
CS-13
CS-14
CS-15
CS-16
CS-17
CS-18 BH
CS-19
CS-20
CS-21
CS-22 BH
CS-23
CS-24
CS-25
CS-26 BH
CS-27
CS-28
CS-29
CS-30
CS-31 BH
CS-32
CS-33
CS-34
CS-35 BH
CS-36
CS-37
CS-38 BH
CS-39
CS-40
CS-41
CS-42
CS-43
CS-44 BH
T-1
UNMARKED BURIED LINE
FRONTINE LINE
CHEVRON LPG LINE
BURIED POLY LINE
METEL LINE
BURIED ELEC. LINE
EXPOSED PIPE
CORRODED METAL PIPE
PUMP JACK
EXPLANATION
BORE HOLE SAMPLE LOCATIONS
TRENCH LOCATION
AUGER HOLE SAMPLE LOCATIONS
LEASE ROAD
EXCAVATED AREA
N
SCALE: 1 IN = 142 FEET
Feet 0 100 200
CONCHO
Figure 4
Foster Eddy TB
Excavation Areas & Depths Map
Eddy County, New Mexico
Project : 114-6401035
Date : 10/20/2011
File : H:\GIS\6401035
Drawn By: Isabel Marmolejo


AH-1
AH-2
AH-3
AH-4
AH-5
AH-6
AH-7
AH-8
AH-9
AH-10
AH-11
AH-12
AH-13
AH-14
AH-15
AH-16
AH-17
AH-18
AH-19
AH-20
AH-21
AH-22
AH-23
AH-24
AH-25
AH-26
AH-27
AH-28
AH-29
AH-30
AH-31
AH-32
155'
135'
45'
65'
35'
20'
20'
30'
35'
110'
27'
100'
UNMARKED BURIED LINE
FRONTIER LINE
CHEVRON LPG LINE
BURIED POLY LINE
METAL LINE
25'
BURIED PIPELINE
PUMP JACK
EXPOSED PIPE
CORRODED PIPELINE
170'
75'
25'
160'
EXPLANATION
AUGER HOLE SAMPLE LOCATIONS
LEASE ROAD
SPILL AREA
N
SCALE: 1 IN = 132 FEET
Feet 0 75 150
CONCHO
Figure 3
Foster Eddy TB
Spill Assessment Map
Eddy County, New Mexico
Project : 114-6401035
Date : 10/20/2011
File : H:\GIS\6401035
Drawn By: Isabel Marmolejo


136'
155'
45'
65'
36'
20'
20'
30'
AH-1
35'
110'
AH-2
27'
AH-3
100'
AH-4
AH-5
UNMARKED BURIED LINE
AH-6
AH-7
AH-8
AH-9
FRONTINE LINE
AH-10
CHEVRON LPG LINE
AH-11
BURIED POLY LINE
AH-12
AH-13
AH-14
METEL LINE
25'
AH-15
AH-16
PUMP JACK
25'
BURIED ELEC. LINE
AH-17
AH-18
AH-20
AH-19
AH-21
AH-22
AH-23
AH-25
AH-24
EXPOSED PIPE
AH-26
CORRODED METAL PIPE
PUMP JACK
170'
AH-27
AH-28
POLY LINE
METAL LINE
POWER LINE
75'
AH-29
AH-30
25'
AH-31
160'
AH-32
EXPLANATION
AUGER HOLE SAMPLE LOCATIONS
LEASE ROAD
SPILL AREA
N
SCALE: 1 IN = 132 FEET
Feet 0 75 150
CONCHO
Figure 3
Foster Eddy TB
Spill Assessment Map
Eddy County, New Mexico
Project : 114-6401035
Date : 10/20/2011
File : H:\GIS\6401035
Drawn By: Isabel Marmolejo

Tables

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-1	10/7/2011	0-1'	-	X		44.7	8,530	8,575	<0.0200	0.212	0.0660	0.0581	0.3361	238
	"	1-1.5'	-	X		41.5	7,730	7,772	<0.0200	0.0799	<0.0200	<0.0200	0.0799	<200
	"	2-2.5'	-	X		18.9	298	317	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-2	10/7/2011	0-1'	-	X		3.36	<50.0	3.36	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	219
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-3	10/7/2011	0-1'	-	X		2.97	83.2	86.2	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	505
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-4	10/7/2011	0-1'	-		X	2.94	<50.0	2.94	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	6,810
	"	1-1.5'	-		X	-	-	-	-	-	-	-	-	5,410
	"	2-2.5'	-		X	-	-	-	-	-	-	-	-	848
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
CS-40 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-41 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-42 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-43 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-44 Bottom Hole	3/19/2012	3'	-	X		-	-	-	-	-	-	-	-	<200

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-5	10/7/2011	0-1'	-	X		4.16	<50.0	4.16	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	1,270
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	498
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	1,070
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	522
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	452
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	457
AH-6	10/7/2011	0-1'	-	X		15.6	2,060	2,076	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	663
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	519
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	702
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	750
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	567
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	481
	"	6-6.5'	-	X		-	-	-	-	-	-	-	-	442
AH-7	10/7/2011	0-1'	-		X	2.54	<50.0	2.54	-	-	-	-	-	1,340
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	826
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	692
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	850
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	501
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	568
	"	6-6.5'	-	X		-	-	-	-	-	-	-	-	444
CS-1 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-2 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-3 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-4 Bottom Hole	3/19/2012	1'	-	X		-	-	-	-	-	-	-	-	325

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-8	10/7/2011	0-1'	-		X	2.63	<50.0	2.63	-	-	-	-	-	453
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	1,180
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	1,250
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	1,670
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	1,570
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	651
	"	6-6.5'	-	X		-	-	-	-	-	-	-	-	442
CS-5 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-6 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-8 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	239
CS-7 Bottom Hole	3/19/2012	1'	-	X		-	-	-	-	-	-	-	-	<200
AH-9	10/7/2011	0-1'	-	X		2.52	<50.0	2.52	-	-	-	-	-	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	214
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	413
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	301

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-10	10/7/2011	0-1'	-	X		2.85	<50.0	2.85	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	321
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	340
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	297
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	433
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	261
AH-11	10/7/2011	0-1'	-	X		2.96	142	145	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	497
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	266
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	448
AH-12	10/7/2011	0-1'	-	X		2.54	<50.0	2.54	-	-	-	-	-	921
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	300
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-13	10/10/2011	0-1'	-	X		3.03	<50.0	3.03	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	328
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	250
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	461

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-14	10/10/2011	0-1'	-		X	6.64	<50.0	6.64	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	2,040
	"	1-1.5'	-		X	-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	2,760
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	1,390
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	1,490
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	1,910
	"	6-6.5'	-	X		-	-	-	-	-	-	-	-	927
	"	7-7.5'	-	X		-	-	-	-	-	-	-	-	1,170
	"	8-8.5'	-	X		-	-	-	-	-	-	-	-	320
CS-9 Sidewall	3/16/2102	-	-	X		-	-	-	-	-	-	-	-	<200
CS-10 Sidewall	3/16/2102	-	-	X		-	-	-	-	-	-	-	-	<200
CS-11 Sidewall	3/16/2102	-	-	X		-	-	-	-	-	-	-	-	<200
CS-12 Sidewall	3/16/2102	-	-	X		-	-	-	-	-	-	-	-	<200
CS-13 Bottom Hole	3/16/2102	2'	-	X		-	-	-	-	-	-	-	-	<200
AH-15	10/10/2011	0-1'	-	X		3.10	<50.0	3.10	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	334
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	<200

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-16	10/10/2011	0-1'	-	X		2.89	<50.0	2.89	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	263
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	488
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	319
AH-17	10/10/2011	0-1'	-		X	2.59	<50.0	2.59	-	-	-	-	-	3,000
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	343
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	643
CS-14 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-15 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-16 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-17 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-18 Bottom Hole	3/19/2012	1'	-	X		-	-	-	-	-	-	-	-	<200
AH-18	10/10/2011	0-1'	-	X		2.37	<50.0	2.37	-	-	-	-	-	880
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	657
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	783
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	589

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-19	10/10/2011	0-1'	-	X		2.28	<50.0	2.28	-	-	-	-	-	419
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	444
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	499
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	374
AH-20	10/10/2011	0-1'	-	X		2.39	<50.0	2.39	-	-	-	-	-	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	210
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	250
AH-21	10/10/2011	0-1'	-		X	<2.00	<50.0	<50.0	-	-	-	-	-	2,150
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
CS-19 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-20 Sidewall	3/19/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-21 Sidewall	3/15/2012	-	-	X		-	-	-	-	-	-	-	-	314
CS-22 Bottom Hole	3/15/2012	1'	-	X		-	-	-	-	-	-	-	-	<200

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-22	10/10/2011	0-1'	-	-	X	2.83	<50.0	2.83	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	2,950
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	269
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	378
CS-23 Sidewall	3/15/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-24 Sidewall	3/16/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-25 Sidewall	3/20/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-26 Bottom Hole	3/20/2012	1'	-	X		-	-	-	-	-	-	-	-	<200
AH-23	10/10/2011	0-1'	-	X		2.68	<50.0	2.68	-	-	-	-	-	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	398
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	518
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	504
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	499
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	717
	"	6-6.5'	-	X		-	-	-	-	-	-	-	-	840

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-24	10/7/2011	0-1'	-		X	2.48	<50.0	2.48	-	-	-	-	-	1,070
	"	1-1.5'	-		X	-	-	-	-	-	-	-	-	3,690
	"	2-2.5'	-		X	-	-	-	-	-	-	-	-	5,450
	"	3-3.5'	-		X	-	-	-	-	-	-	-	-	4,170
	"	4-4.5'	-	X		-	-	-	-	-	-	-	-	5,030
	"	5-5.5'	-	X		-	-	-	-	-	-	-	-	2,380
	"	6-6.5'	-	X		-	-	-	-	-	-	-	-	1,100
	"	7-7.5'	-	X		-	-	-	-	-	-	-	-	1,880
CS-27 Sidewall	3/20/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-28 Sidewall	3/20/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-29 Sidewall	3/20/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-30 Sidewall	3/20/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-31 Bottom Hole	3/20/2012	4'	-	X		-	-	-	-	-	-	-	-	408
Trench-1	3/20/2012	8'	-	X		-	-	-	-	-	-	-	-	<200
	"	9'	-	X		-	-	-	-	-	-	-	-	<200
	"	10'	-	X		-	-	-	-	-	-	-	-	<200

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-25	10/7/2011	0-1'	-	X		2.71	<50.0	2.71	-	-	-	-	-	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-26	10/7/2011	0-1'	-	X		3.06	<50.0	3.06	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-27	10/7/2011	0-1'	-	X		16.8	204	221	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-28	10/7/2011	0-1'	-		X	3.93	<50.0	3.93	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	1,770
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
CS-32 Sidewall	3/14/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-33 Sidewall	3/14/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-34 Sidewall	3/14/2012	-	-	X		-	-	-	-	-	-	-	-	<200
CS-35 Bottom Hole	3/14/2012	1'	-	X		-	-	-	-	-	-	-	-	<200

Table 1
COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

Sample ID	Sample Date	Sample Depth (ft)	Depth (BEB)	Soil Status		TPH (mg/kg)			Benzene (mg/kg)	Toluene (mg/kg)	Ethlybenzene (mg/kg)	Xylene (mg/kg)	Total BTEX (mg/kg)	Chloride (mg/kg)
				In-Situ	Removed	GRO	DRO	Total						
AH-29	10/6/2011	0-1'	-		X	2.82	<50.0	2.82	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	1,250
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
CS-36 Sidewall	03/14/212	-	-	X		-	-	-	-	-	-	-	-	<200
CS-37 Sidewall	03/14/212	-	-	X		-	-	-	-	-	-	-	-	<200
CS-39 Sidewall	03/14/212	-	-	X		-	-	-	-	-	-	-	-	<200
CS-38 Bottom Hole	03/14/212	1'	-	X		-	-	-	-	-	-	-	-	<200
AH-30	10/6/2011	0-1'	-	X		2.64	<50.0	2.64	-	-	-	-	-	429
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-31	10/6/2011	0-1'	-	X		2.65	<50.0	2.65	-	-	-	-	-	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
AH-32	10/6/2011	0-1'	-	X		2.86	<50.0	2.86	<0.0200	<0.0200	<0.0200	<0.0200	<0.0200	<200
	"	1-1.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	2-2.5'	-	X		-	-	-	-	-	-	-	-	<200
	"	3-3.5'	-	X		-	-	-	-	-	-	-	-	<200

(--) Not Analyzed

(BEB) Below Excavation Bottom

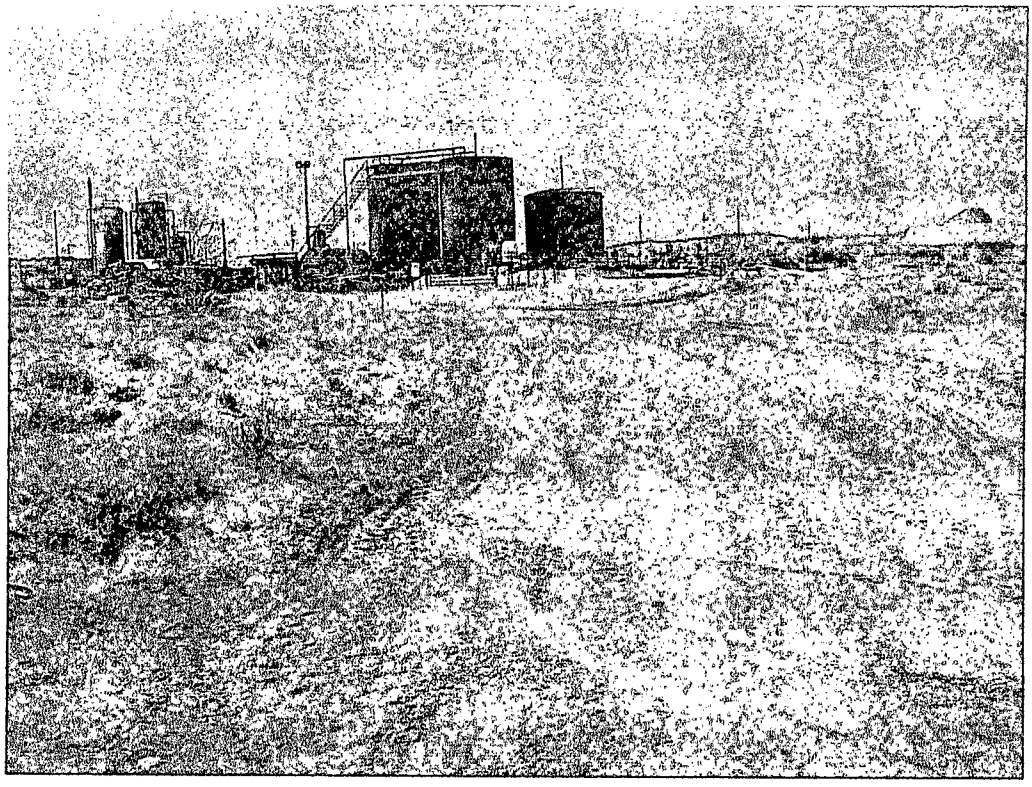
Excavated Depths

Underground lines in the area - impacted soil deferred until facility abandonment

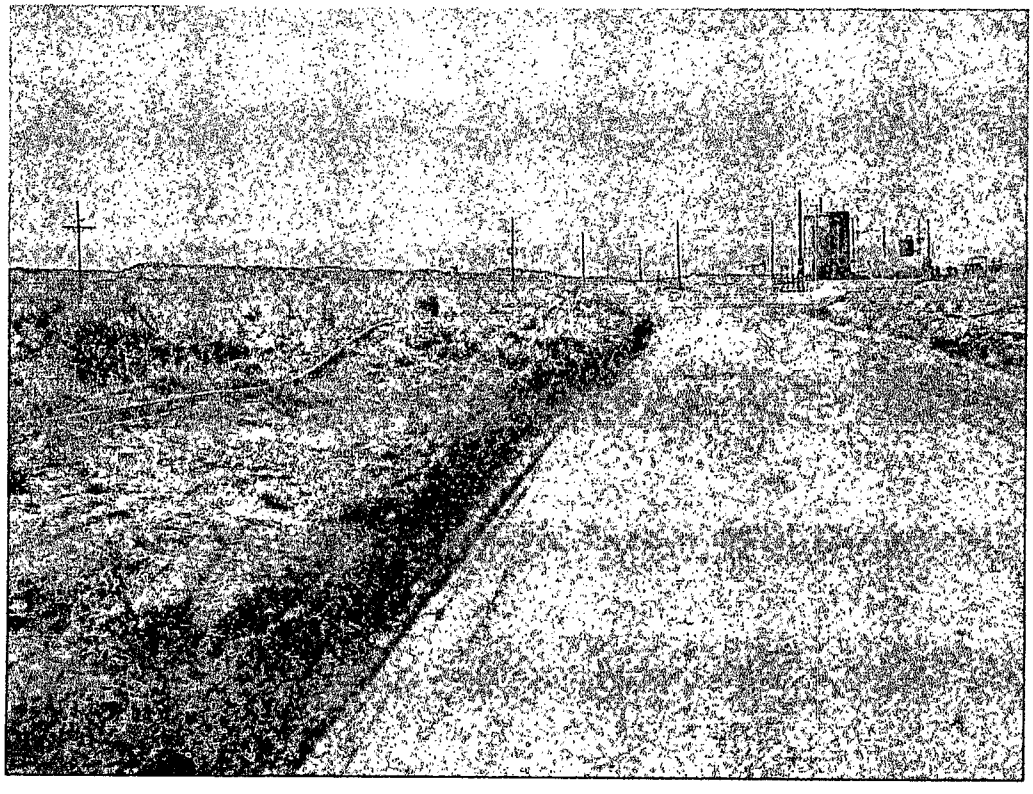
Photos

COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

TETRA TECH



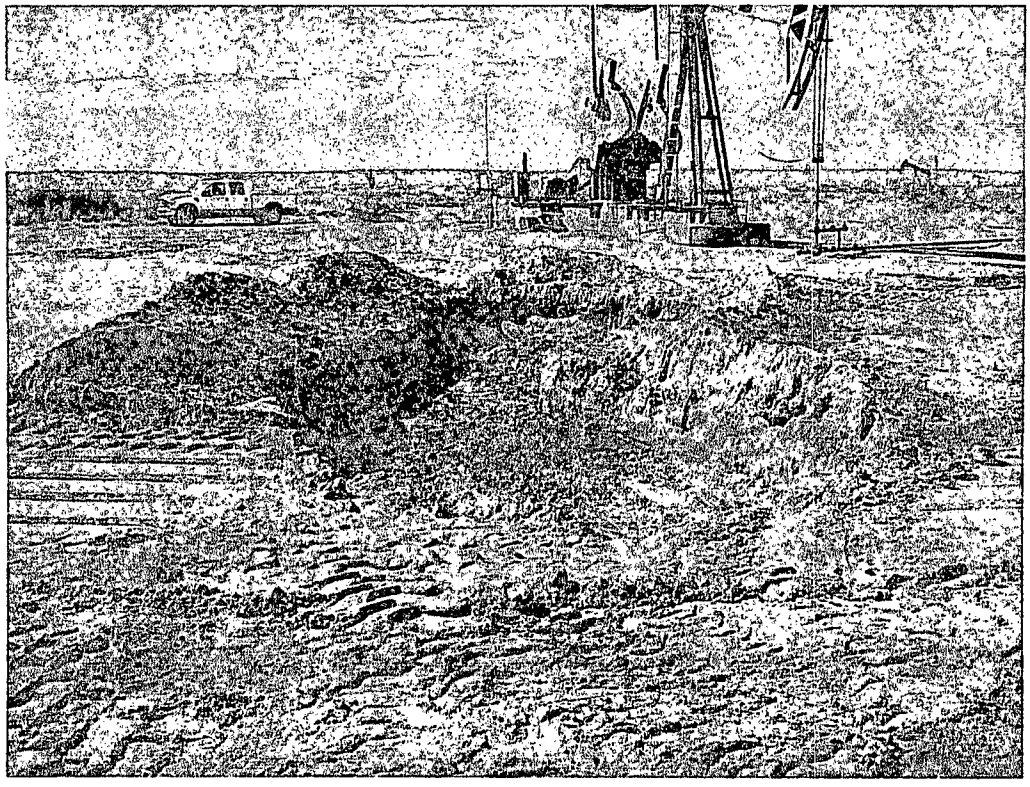
View North West – Area of AH-4



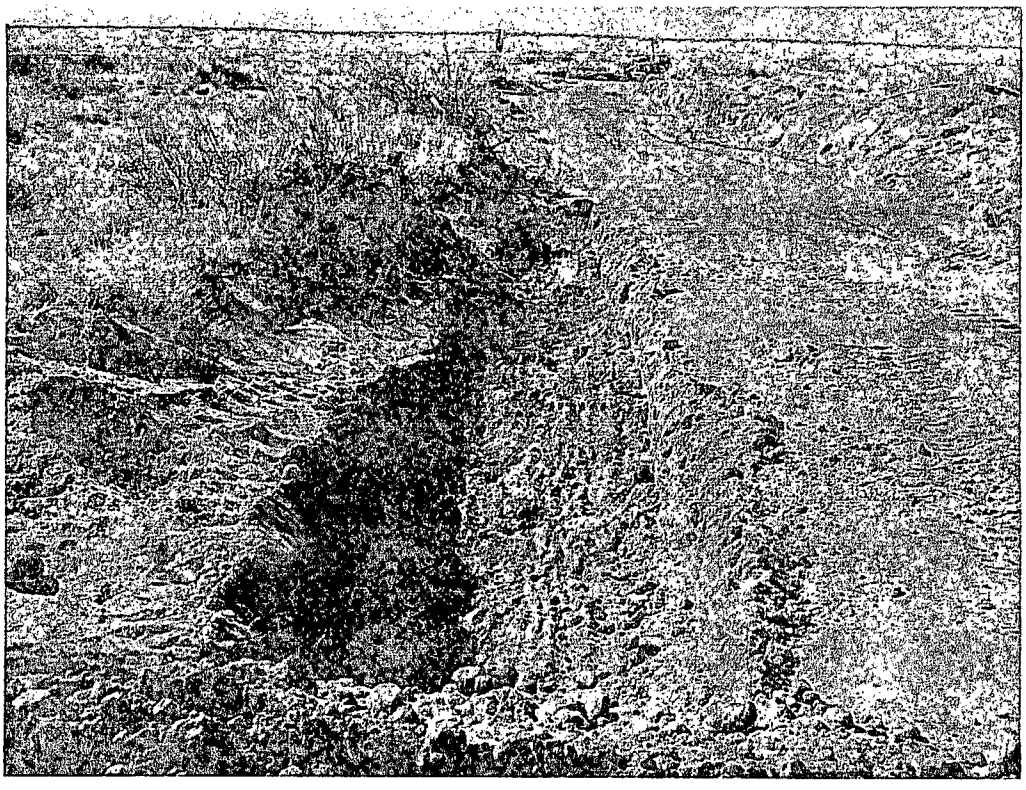
View North – Area of AH-7 and 8

COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

TETRA TECH



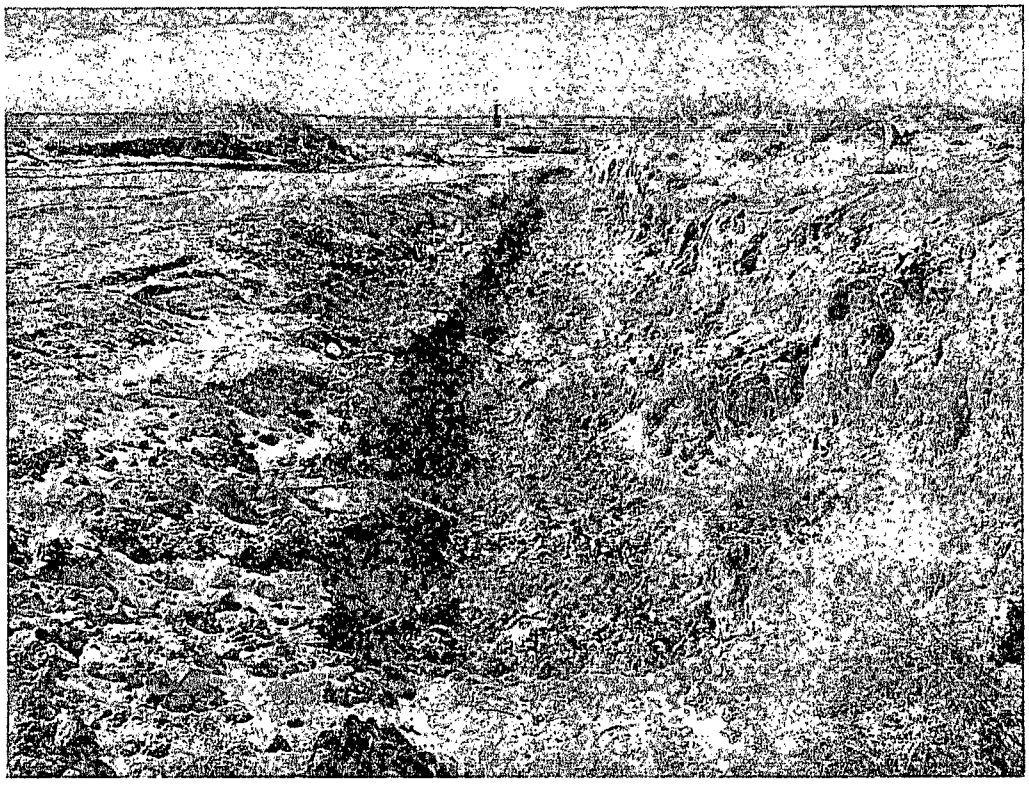
View South – Area of AH-14



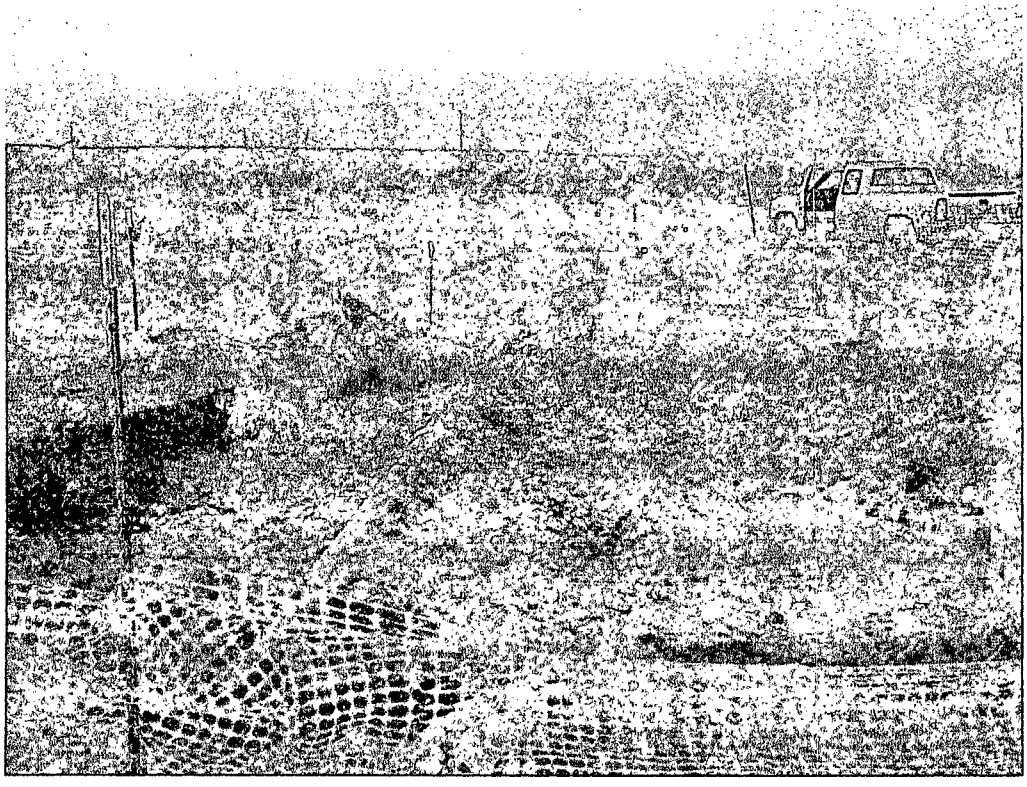
View South – Area of AH-17

COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

TETRA TECH



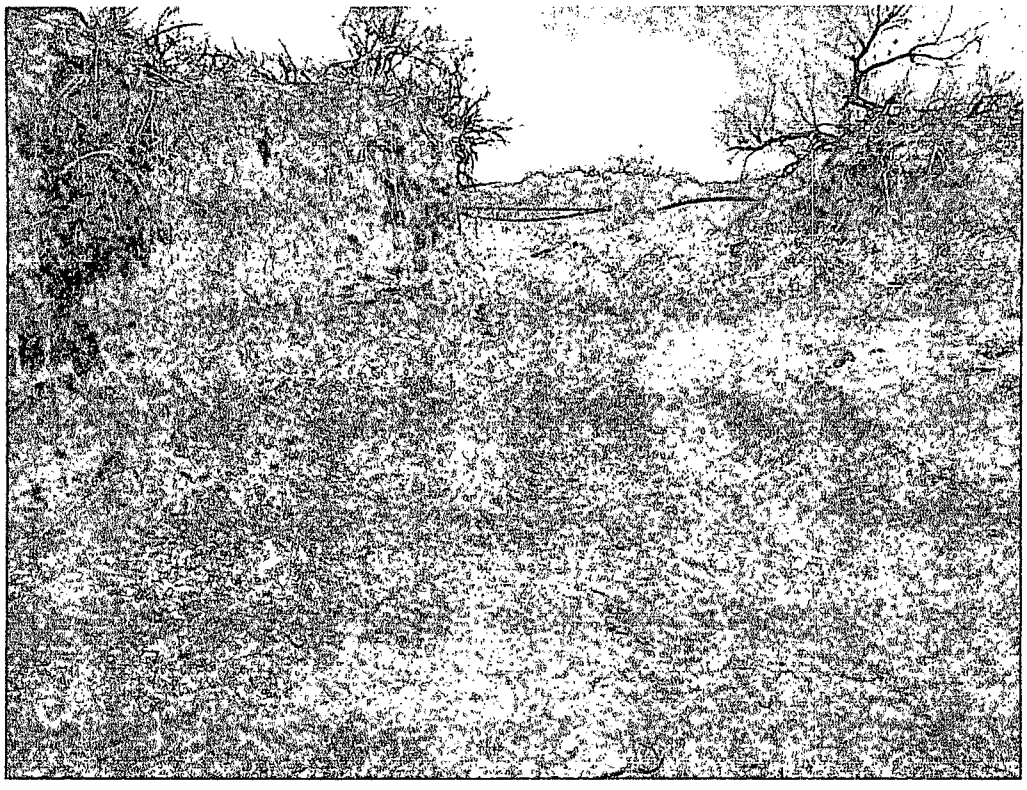
View South – Area of AH-21, 22 and 23



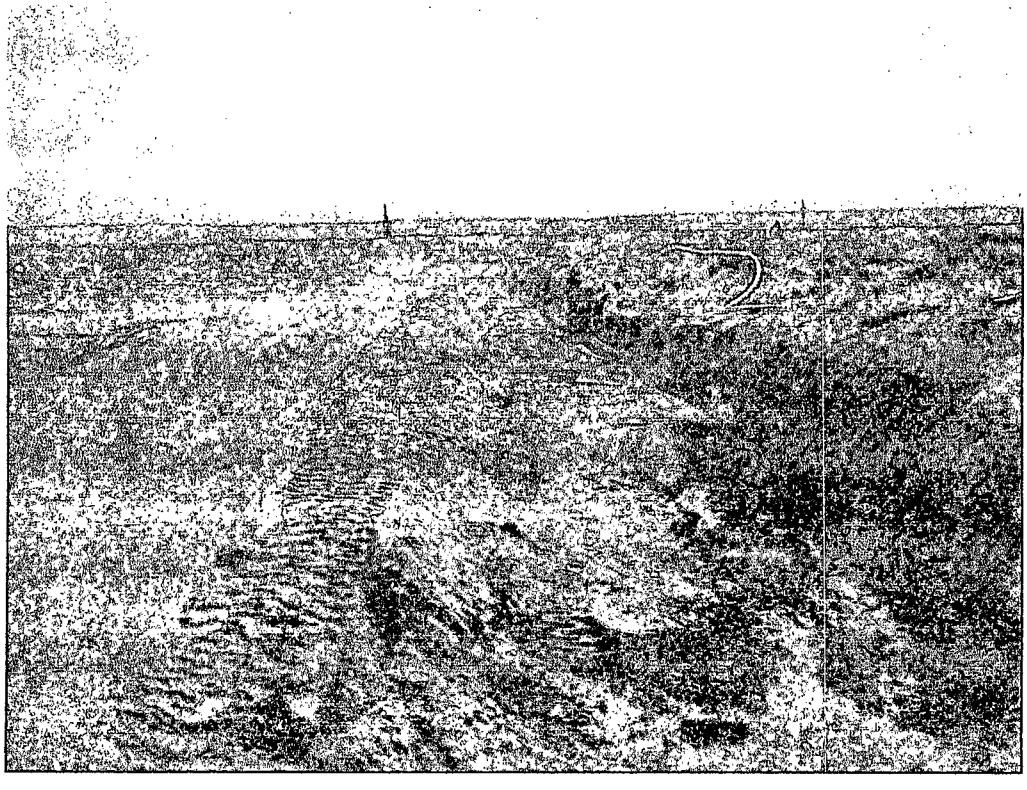
View South – Area of AH-24

COG Operating LLC
Foster Eddy Tank Battery
Eddy County, New Mexico

TETRA TECH



View South West – Area of 28 and 29 Backfill



View South – Area of AH-21 and 22 Backfill

Appendix A

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **COG Operating LLC**	Contact **Pat Ellis**
Address **550 W. Texas, Suite 1300 Midland, Texas 79701**	Telephone No. **(432) 230-0077**
Facility Name **Foster Eddy Federal Tank Battery**	Facility Type **Tank Battery**

Surface Owner: Federal	Mineral Owner	Lease No. NMLC-049998A

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	17	17S	31E					Eddy

Latitude 32 50.074 **Longitude** 103 53.446

NATURE OF RELEASE

Type of Release: Produced water with skim oil	Volume of Release 950 bbls	Volume Recovered 750 bbls
Source of Release: Equalizer	Date and Hour of Occurrence 09/24/2011	Date and Hour of Discovery 09/24/2011 7:00a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Mike Bratcher-OCD** **Jim Amos-BLM**	
By Whom? Josh Russo	Date and Hour 09/24/2011 5:36 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse. N/A	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

The water pump locked up and the alarm system failed. The pump has been replaced and the alarm system has been repaired.

Describe Area Affected and Cleanup Action Taken.*

Tetra Tech inspected and collected samples to define spill extents. The impacted soil that exceeded the RRAL and the elevated chloride were removed transported to CRI for proper disposal. The site was then brought up to surface grade with clean backfill material. Tetra Tech prepared and submitted the closure report to the NMOCD for review.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION	
Printed Name: Ike Tavarez (agent for COG)	Approved by District Supervisor:	
Title: Project Manager	Approval Date:	Expiration Date:
E-mail Address: Ike.Tavarez@TetraTech.com	Conditions of Approval:	Attached ☐
Date: 8-15-12 Phone: (432) 682-4559		

* Attach Additional Sheets If Necessary

District I
1625 N. French Dr., Hobbs, NM 88240
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1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	COG OPERATING LLC	Contact	Pat Ellis
Address	550 W. Texas, Suite 100, Midland, TX 79701	Telephone No.	432-230-0077
Facility Name	Foster Eddy Federal Tank Battery	Facility Type	Tank Battery

Surface Owner Federal	Mineral Owner	Lease No. NMLC-049998A

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	17	17S	31E					Eddy

Latitude 32 50.074 **Longitude** 103 53.446

NATURE OF RELEASE

Type of Release Produced water with skim oil	Volume of Release 950bbls	Volume Recovered 750bbls
Source of Release Water tank	Date and Hour of Occurrence 09/24/2011	Date and Hour of Discovery 09/24/2011 7:00 a.m.
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? Mike Bratcher-OCD Jim Amos-BLM	
By Whom? Josh Russo	Date and Hour 09/24/2011 5:36 p.m.	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

The water pump locked up and the alarm system failed. The pump has been replaced and the alarm system has been repaired.

Describe Area Affected and Cleanup Action Taken.*

Initially 950bbls were released from the water tank due to the faulty water pump and alarm system. We were able to recover 750bbls of fluid. Most of the fluid was contained within the lined tank battery walls. Due to the volume of the release, the water filled up the lined area and some streamed onto a nearby lease road and then into an arroyo. The dimensions measured roughly .3 miles down the lease road and then 425' into the arroyo. The entire spill area has been scraped and contaminated soil was disposed during our emergency response procedures. Tetra Tech will sample the spill site area inside the arroyo to delineate any possible contamination from the release and we will present a remediation work plan to the NMOCD/BLM prior to any significant remediation work.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature:	OIL CONSERVATION DIVISION
Printed Name: Josh Russo	Approved by District Supervisor:
Title: HSE Coordinator	Approval Date: / Expiration Date:
E-mail Address: jrusso@conchoresources.com	Conditions of Approval: / Attached ☐
Date: 09/30/2011 Phone: 432-212-2399	

* Attach Additional Sheets If Necessary

Appendix B

Water Well Data
Average Depth to Groundwater (ft)
COG - Foster Eddy Federal Tank Battery
Eddy County, New Mexico

16 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

16 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **288**
18	17	16	15	14	13 **113**
19	20	21	22	23	24
30	29	28	27	26	25
31 **290**	32	33	34	35	36

16 South 32 East

6	5	4	3 **66**	2 **266**	1 **266**
7	8	9	10	11	12 **216**
18	17	16 **221**	15	14	13 **216**
19 **220**	20	21 **210**	22	23 **210**	24
30	29	28	27	26 **243**	25
31	32	33	34	35	36 **260**

17 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

17 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17 **SITE**	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34 **271**	35	36

17 South 32 East

6	5	4 **82**	3 **175**	2 **60**	1 **225**
7	8	9	10	11 **70** **88**	12
18	17	16	15	14	13
19	20	21	22	23	24
30 180 dry	29	28	27	26	25
31	32	33	34	35	36

18 South 30 East

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

18 South 31 East

6	5	4	3	2	1
7	8	9	10	11	12 **400**
18	17	16	15	14 **317**	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35 **261**	36

18 South 32 East

6	5	4 **65**	3	2	1
7 **460** **82**	8	9	10	11	12
18	17	16 **84**	15	14	13
19	20 **164**	21	22 **429**	23	24
30	29	28	27	26	25
31	32	33	34 **117**	35	36

- New Mexico State Engineers Well Reports
- USGS Well Reports
- Geology and Groundwater Conditions in Southern Eddy, County, NM
- NMOCD - Groundwater Data
- Field water level
- New Mexico Water and Infrastructure Data System
- SITE - Foster Eddy Federal Tank Battery

Appendix C

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: October 19, 2011

Work Order: 11101224

Project Location: Eddy Co., NM
Project Name: COG/Foster Eddy TB
Project Number: 114-6401035

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
279657	AH-1 0-1'	soil	2011-10-07	00:00	2011-10-12
279658	AH-1 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279659	AH-1 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279660	AH-1 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279663	AH-2 0-1'	soil	2011-10-07	00:00	2011-10-12
279664	AH-2 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279665	AH-2 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279666	AH-2 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279667	AH-3 0-1'	soil	2011-10-07	00:00	2011-10-12
279668	AH-3 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279669	AH-3 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279670	AH-3 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279671	AH-4 0-1'	soil	2011-10-07	00:00	2011-10-12
279672	AH-4 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279673	AH-4 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279674	AH-4 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279678	AH-5 0-1'	soil	2011-10-07	00:00	2011-10-12
279679	AH-5 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279680	AH-5 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279681	AH-5 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279682	AH-5 4-4.5'	soil	2011-10-07	00:00	2011-10-12
279683	AH-5 5-5.5'	soil	2011-10-07	00:00	2011-10-12
279688	AH-6 0-1'	soil	2011-10-07	00:00	2011-10-12
279689	AH-6 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279690	AH-6 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279691	AH-6 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279692	AH-6 4-4.5'	soil	2011-10-07	00:00	2011-10-12
279693	AH-6 5-5.5'	soil	2011-10-07	00:00	2011-10-12
279694	AH-6 6-6.5'	soil	2011-10-07	00:00	2011-10-12
279698	AH-7 0-1'	soil	2011-10-07	00:00	2011-10-12

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
279699	AH-7 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279700	AH-7 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279701	AH-7 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279702	AH-7 4-4.5'	soil	2011-10-07	00:00	2011-10-12
279703	AH-7 5-5.5'	soil	2011-10-07	00:00	2011-10-12
279704	AH-7 6-6.5'	soil	2011-10-07	00:00	2011-10-12
279708	AH-8 0-1'	soil	2011-10-07	00:00	2011-10-12
279709	AH-8 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279710	AH-8 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279711	AH-8 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279712	AH-8 4-4.5'	soil	2011-10-07	00:00	2011-10-12
279713	AH-8 5-5.5'	soil	2011-10-07	00:00	2011-10-12
279714	AH-8 6-6.5'	soil	2011-10-07	00:00	2011-10-12
279718	AH-9 0-1'	soil	2011-10-07	00:00	2011-10-12
279719	AH-9 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279720	AH-9 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279721	AH-9 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279722	AH-10 0-1'	soil	2011-10-07	00:00	2011-10-12
279723	AH-10 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279724	AH-10 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279725	AH-10 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279726	AH-10 4-4.5'	soil	2011-10-07	00:00	2011-10-12
279728	AH-11 0-1'	soil	2011-10-07	00:00	2011-10-12
279729	AH-11 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279730	AH-11 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279731	AH-11 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279732	AH-12 0-1'	soil	2011-10-07	00:00	2011-10-12
279733	AH-12 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279734	AH-12 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279735	AH-12 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279736	AH-13 0-1'	soil	2011-10-10	00:00	2011-10-12
279737	AH-13 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279738	AH-13 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279739	AH-13 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279740	AH-14 0-1'	soil	2011-10-10	00:00	2011-10-12
279741	AH-14 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279742	AH-14 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279743	AH-14 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279744	AH-14 4-4.5'	soil	2011-10-10	00:00	2011-10-12
279745	AH-14 5-5.5'	soil	2011-10-10	00:00	2011-10-12
279746	AH-14 6-6.5'	soil	2011-10-10	00:00	2011-10-12
279747	AH-14 7-7.5'	soil	2011-10-10	00:00	2011-10-12
279748	AH-14 8-8.5'	soil	2011-10-10	00:00	2011-10-12
279750	AH-15 0-1'	soil	2011-10-10	00:00	2011-10-12
279751	AH-15 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279752	AH-15 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279753	AH-15 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279754	AH-15 4-4.5'	soil	2011-10-10	00:00	2011-10-12
279756	AH-16 0-1'	soil	2011-10-10	00:00	2011-10-12

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
279757	AH-16 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279758	AH-16 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279759	AH-16 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279760	AH-16 4-4.5'	soil	2011-10-10	00:00	2011-10-12
279762	AH-17 0-1'	soil	2011-10-10	00:00	2011-10-12
279763	AH-17 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279764	AH-17 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279765	AH-17 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279766	AH-18 0-1'	soil	2011-10-10	00:00	2011-10-12
279767	AH-18 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279768	AH-18 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279769	AH-18 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279775	AH-19 0-1'	soil	2011-10-10	00:00	2011-10-12
279776	AH-19 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279777	AH-19 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279778	AH-19 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279785	AH-20 0-1'	soil	2011-10-10	00:00	2011-10-12
279786	AH-20 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279787	AH-20 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279788	AH-20 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279790	AH-21 0-1'	soil	2011-10-10	00:00	2011-10-12
279791	AH-21 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279792	AH-21 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279793	AH-21 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279794	AH-22 0-1'	soil	2011-10-10	00:00	2011-10-12
279795	AH-22 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279796	AH-22 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279797	AH-22 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279798	AH-23 0-1'	soil	2011-10-10	00:00	2011-10-12
279799	AH-23 1-1.5'	soil	2011-10-10	00:00	2011-10-12
279800	AH-23 2-2.5'	soil	2011-10-10	00:00	2011-10-12
279801	AH-23 3-3.5'	soil	2011-10-10	00:00	2011-10-12
279802	AH-23 4-4.5'	soil	2011-10-10	00:00	2011-10-12
279803	AH-23 5-5.5'	soil	2011-10-10	00:00	2011-10-12
279805	AH-24 0-1'	soil	2011-10-07	00:00	2011-10-12
279806	AH-24 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279807	AH-24 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279808	AH-24 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279809	AH-24 4-4.5'	soil	2011-10-07	00:00	2011-10-12
279810	AH-24 5-5.5'	soil	2011-10-07	00:00	2011-10-12
279811	AH-24 6-6.5'	soil	2011-10-07	00:00	2011-10-12
279813	AH-25 0-1'	soil	2011-10-07	00:00	2011-10-12
279814	AH-25 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279815	AH-25 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279816	AH-25 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279817	AH-26 0-1'	soil	2011-10-07	00:00	2011-10-12
279818	AH-26 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279819	AH-26 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279820	AH-26 3-3.5'	soil	2011-10-07	00:00	2011-10-12

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
279821	AH-27 0-1'	soil	2011-10-07	00:00	2011-10-12
279822	AH-27 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279823	AH-27 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279824	AH-27 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279825	AH-28 0-1'	soil	2011-10-07	00:00	2011-10-12
279826	AH-28 1-1.5'	soil	2011-10-07	00:00	2011-10-12
279827	AH-28 2-2.5'	soil	2011-10-07	00:00	2011-10-12
279828	AH-28 3-3.5'	soil	2011-10-07	00:00	2011-10-12
279829	AH-29 0-1'	soil	2011-10-06	00:00	2011-10-12
279830	AH-29 1-1.5'	soil	2011-10-06	00:00	2011-10-12
279831	AH-29 2-2.5'	soil	2011-10-06	00:00	2011-10-12
279832	AH-29 3-3.5'	soil	2011-10-06	00:00	2011-10-12
279833	AH-30 0-1'	soil	2011-10-06	00:00	2011-10-12
279834	AH-30 1-1.5'	soil	2011-10-06	00:00	2011-10-12
279835	AH-30 2-2.5'	soil	2011-10-06	00:00	2011-10-12
279836	AH-30 3-3.5'	soil	2011-10-06	00:00	2011-10-12
279837	AH-31 0-1'	soil	2011-10-06	00:00	2011-10-12
279838	AH-31 1-1.5'	soil	2011-10-06	00:00	2011-10-12
279839	AH-31 2-2.5'	soil	2011-10-06	00:00	2011-10-12
279840	AH-32 0-1'	soil	2011-10-06	00:00	2011-10-12
279841	AH-32 1-1.5'	soil	2011-10-06	00:00	2011-10-12
279842	AH-32 2-2.5'	soil	2011-10-06	00:00	2011-10-12
279843	AH-32 3-3.5'	soil	2011-10-06	00:00	2011-10-12

	BTEX				TPH DRO - NEW	TPH GRO
Sample - Field Code	Benzene (mg/Kg)	Toluene (mg/Kg)	Ethylbenzene (mg/Kg)	Xylene (mg/Kg)	DRO (mg/Kg)	GRO (mg/Kg)
279657 - AH-1 0-1'	<0.0200 Qr,Qs	**0.212** Qr,Qs	**0.0660** Qr,Qs	**0.0581** Qr,Qs	**8530**	**44.7** Qr,Qs
279658 - AH-1 1-1.5'	<0.0200 Qs	**0.0799**	<0.0200 Qs	<0.0200 Qs	**7730**	**41.5** Qs
279659 - AH-1 2-2.5'	<0.0200 Qs	<0.0200	<0.0200 Qs	<0.0200 Qs	**298**	**18.9** Qs
279663 - AH-2 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**3.36** Qs
279667 - AH-3 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**83.2**	**2.97** Qs
279671 - AH-4 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.94** Qs
279678 - AH-5 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**4.16** Qs
279688 - AH-6 0-1'	<0.0200 Qr,Qs	<0.0200 Qr,Qs	<0.0200 Qr,Qs	<0.0200 Qr,Qs	**2060**	**15.6** Qr,Qs
279698 - AH-7 0-1'					<50.0	**2.54** Qs
279708 - AH-8 0-1'					<50.0	**2.63** Qs
279718 - AH-9 0-1'					<50.0	**2.52** Qs
279722 - AH-10 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.85** Qs
279728 - AH-11 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**142**	**2.96** Qs
279732 - AH-12 0-1'					<50.0	**2.54** Qs
279736 - AH-13 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**3.03** Qs
279740 - AH-14 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**6.64** Qs
279750 - AH-15 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**3.10** Qs
279756 - AH-16 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.89** Qr,Qs
279762 - AH-17 0-1'					<50.0	**2.59** Qr,Qs
279766 - AH-18 0-1'					<50.0	**2.37** Qr,Qs
279775 - AH-19 0-1'					<50.0	**2.28** Qr,Qs
279785 - AH-20 0-1'					<50.0	**2.39** Qr,Qs
279790 - AH-21 0-1'					<50.0	<2.00 Qr,Qs

continued ...

... continued

Sample - Field Code	BTEX Benzene (mg/Kg)	BTEX Toluene (mg/Kg)	BTEX Ethylbenzene (mg/Kg)	BTEX Xylene (mg/Kg)	TPH DRO - NEW DRO (mg/Kg)	TPH GRO GRO (mg/Kg)
279794 - AH-22 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.83** Q_{r,Q_s}
279798 - AH-23 0-1'					<50.0	**2.68** Q_{r,Q_s}
279805 - AH-24 0-1'					<50.0	**2.48** Q_{r,Q_s}
279813 - AH-25 0-1'					<50.0	**2.71** Q_{r,Q_s}
279817 - AH-26 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**3.06** Q_{r,Q_s}
279821 - AH-27 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	**204**	**16.8** Q_{r,Q_s}
279825 - AH-28 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**3.93** Q_{r,Q_s}
279829 - AH-29 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.82** Q_{r,Q_s}
279833 - AH-30 0-1'					<50.0	**2.64** Q_{r,Q_s}
279837 - AH-31 0-1'					<50.0	**2.65** Q_s
279840 - AH-32 0-1'	<0.0200	<0.0200	<0.0200	<0.0200	<50.0	**2.86** Q_s

Sample: 279657 - AH-1 0-1'

Param	Flag	Result	Units	RL
Chloride		**238**	mg/Kg	4

Sample: 279658 - AH-1 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279659 - AH-1 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279660 - AH-1 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279663 - AH-2 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279664 - AH-2 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279665 - AH-2 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**219**	mg/Kg	4

Sample: 279666 - AH-2 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279667 - AH-3 0-1'

Param	Flag	Result	Units	RL
Chloride		**505**	mg/Kg	4

Sample: 279668 - AH-3 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279669 - AH-3 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279670 - AH-3 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279671 - AH-4 0-1'

Param	Flag	Result	Units	RL
Chloride		**6810**	mg/Kg	4

Sample: 279672 - AH-4 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**5410**	mg/Kg	4

Sample: 279673 - AH-4 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**848**	mg/Kg	4

Sample: 279674 - AH-4 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279678 - AH-5 0-1'

Param	Flag	Result	Units	RL
Chloride		**1270**	mg/Kg	4

Sample: 279679 - AH-5 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**498**	mg/Kg	4

Sample: 279680 - AH-5 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**1070**	mg/Kg	4

Sample: 279681 - AH-5 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**522**	mg/Kg	4

Sample: 279682 - AH-5 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**452**	mg/Kg	4

Sample: 279683 - AH-5 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**457**	mg/Kg	4

Sample: 279688 - AH-6 0-1'

Param	Flag	Result	Units	RL
Chloride		**663**	mg/Kg	4

Sample: 279689 - AH-6 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**519**	mg/Kg	4

Sample: 279690 - AH-6 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**702**	mg/Kg	4

Sample: 279691 - AH-6 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**750**	mg/Kg	4

Sample: 279692 - AH-6 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**567**	mg/Kg	4

Sample: 279693 - AH-6 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**481**	mg/Kg	4

Sample: 279694 - AH-6 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**442**	mg/Kg	4

Sample: 279698 - AH-7 0-1'

Param	Flag	Result	Units	RL
Chloride		**1340**	mg/Kg	4

Sample: 279699 - AH-7 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**826**	mg/Kg	4

Sample: 279700 - AH-7 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**692**	mg/Kg	4

Sample: 279701 - AH-7 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**850**	mg/Kg	4

Sample: 279702 - AH-7 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**501**	mg/Kg	4

Sample: 279703 - AH-7 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**568**	mg/Kg	4

Sample: 279704 - AH-7 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**444**	mg/Kg	4

Sample: 279708 - AH-8 0-1'

Param	Flag	Result	Units	RL
Chloride		**453**	mg/Kg	4

Sample: 279709 - AH-8 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**1180**	mg/Kg	4

Sample: 279710 - AH-8 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**1250**	mg/Kg	4

Sample: 279711 - AH-8 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1670**	mg/Kg	4

Sample: 279712 - AH-8 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**1570**	mg/Kg	4

Sample: 279713 - AH-8 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**651**	mg/Kg	4

Sample: 279714 - AH-8 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**442**	mg/Kg	4

Sample: 279718 - AH-9 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279719 - AH-9 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**214**	mg/Kg	4

Sample: 279720 - AH-9 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**413**	mg/Kg	4

Sample: 279721 - AH-9 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**301**	mg/Kg	4

Sample: 279722 - AH-10 0-1'

Param	Flag	Result	Units	RL
Chloride		**321**	mg/Kg	4

Sample: 279723 - AH-10 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**340**	mg/Kg	4

Sample: 279724 - AH-10 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**297**	mg/Kg	4

Sample: 279725 - AH-10 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**433**	mg/Kg	4

Sample: 279726 - AH-10 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**261**	mg/Kg	4

Sample: 279728 - AH-11 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279729 - AH-11 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**497**	mg/Kg	4

Sample: 279730 - AH-11 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**266**	mg/Kg	4

Sample: 279731 - AH-11 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**448**	mg/Kg	4

Sample: 279732 - AH-12 0-1'

Param	Flag	Result	Units	RL
Chloride		**921**	mg/Kg	4

Sample: 279733 - AH-12 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**300**	mg/Kg	4

Sample: 279734 - AH-12 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279735 - AH-12 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279736 - AH-13 0-1'

Param	Flag	Result	Units	RL
Chloride		**328**	mg/Kg	4

Sample: 279737 - AH-13 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279738 - AH-13 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**250**	mg/Kg	4

Sample: 279739 - AH-13 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**461**	mg/Kg	4

Sample: 279740 - AH-14 0-1'

Param	Flag	Result	Units	RL
Chloride		**2040**	mg/Kg	4

Sample: 279741 - AH-14 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279742 - AH-14 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**2760**	mg/Kg	4

Sample: 279743 - AH-14 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**1390**	mg/Kg	4

Sample: 279744 - AH-14 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**1490**	mg/Kg	4

Sample: 279745 - AH-14 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**1910**	mg/Kg	4

Sample: 279746 - AH-14 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**927**	mg/Kg	4

Sample: 279747 - AH-14 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**1170**	mg/Kg	4

Sample: 279748 - AH-14 8-8.5'

Param	Flag	Result	Units	RL
Chloride		**320**	mg/Kg	4

Sample: 279750 - AH-15 0-1'

Param	Flag	Result	Units	RL
Chloride		**334**	mg/Kg	4

Sample: 279751 - AH-15 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279752 - AH-15 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279753 - AH-15 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279754 - AH-15 4-4.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279756 - AH-16 0-1'

Param	Flag	Result	Units	RL
Chloride		**263**	mg/Kg	4

Sample: 279757 - AH-16 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279758 - AH-16 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279759 - AH-16 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**488**	mg/Kg	4

Sample: 279760 - AH-16 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**319**	mg/Kg	4

Sample: 279762 - AH-17 0-1'

Param	Flag	Result	Units	RL
Chloride		**3000**	mg/Kg	4

Sample: 279763 - AH-17 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**343**	mg/Kg	4

Sample: 279764 - AH-17 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279765 - AH-17 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**643**	mg/Kg	4

Sample: 279766 - AH-18 0-1'

Param	Flag	Result	Units	RL
Chloride		**880**	mg/Kg	4

Sample: 279767 - AH-18 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**657**	mg/Kg	4

Sample: 279768 - AH-18 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**783**	mg/Kg	4

Sample: 279769 - AH-18 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**589**	mg/Kg	4

Sample: 279775 - AH-19 0-1'

Param	Flag	Result	Units	RL
Chloride		**419**	mg/Kg	4

Sample: 279776 - AH-19 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**444**	mg/Kg	4

Sample: 279777 - AH-19 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**499**	mg/Kg	4

Sample: 279778 - AH-19 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**374**	mg/Kg	4

Sample: 279785 - AH-20 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279786 - AH-20 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279787 - AH-20 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**210**	mg/Kg	4

Sample: 279788 - AH-20 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**250**	mg/Kg	4

Sample: 279790 - AH-21 0-1'

Param	Flag	Result	Units	RL
Chloride		**2150**	mg/Kg	4

Sample: 279791 - AH-21 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279792 - AH-21 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279793 - AH-21 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279794 - AH-22 0-1'

Param	Flag	Result	Units	RL
Chloride		**2950**	mg/Kg	4

Sample: 279795 - AH-22 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279796 - AH-22 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**269**	mg/Kg	4

Sample: 279797 - AH-22 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**378**	mg/Kg	4

Sample: 279798 - AH-23 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279799 - AH-23 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**398**	mg/Kg	4

Sample: 279800 - AH-23 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**518**	mg/Kg	4

Sample: 279801 - AH-23 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**504**	mg/Kg	4

Sample: 279802 - AH-23 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**499**	mg/Kg	4

Sample: 279803 - AH-23 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**717**	mg/Kg	4

Sample: 279805 - AH-24 0-1'

Param	Flag	Result	Units	RL
Chloride		**1070**	mg/Kg	4

Sample: 279806 - AH-24 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**3690**	mg/Kg	4

Sample: 279807 - AH-24 2-2.5'

Param	Flag	Result	Units	RL
Chloride		**5450**	mg/Kg	4

Sample: 279808 - AH-24 3-3.5'

Param	Flag	Result	Units	RL
Chloride		**4170**	mg/Kg	4

Sample: 279809 - AH-24 4-4.5'

Param	Flag	Result	Units	RL
Chloride		**5030**	mg/Kg	4

Sample: 279810 - AH-24 5-5.5'

Param	Flag	Result	Units	RL
Chloride		**2380**	mg/Kg	4

Sample: 279811 - AH-24 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**1100**	mg/Kg	4

Sample: 279813 - AH-25 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279814 - AH-25 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279815 - AH-25 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279816 - AH-25 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279817 - AH-26 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279818 - AH-26 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279819 - AH-26 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279820 - AH-26 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279821 - AH-27 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279822 - AH-27 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279823 - AH-27 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279824 - AH-27 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279825 - AH-28 0-1'

Param	Flag	Result	Units	RL
Chloride		**1770**	mg/Kg	4

Sample: 279826 - AH-28 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279827 - AH-28 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279828 - AH-28 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279829 - AH-29 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279830 - AH-29 1-1.5'

Param	Flag	Result	Units	RL
Chloride		**1250**	mg/Kg	4

Sample: 279831 - AH-29 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279832 - AH-29 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279833 - AH-30 0-1'

Param	Flag	Result	Units	RL
Chloride		**429**	mg/Kg	4

Sample: 279834 - AH-30 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279835 - AH-30 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279836 - AH-30 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279837 - AH-31 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279838 - AH-31 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279839 - AH-31 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279840 - AH-32 0-1'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279841 - AH-32 1-1.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279842 - AH-32 2-2.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 279843 - AH-32 3-3.5'

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

WO # 11101224

19 20

Analysis Request of Chain of Custody Record

PAGE: 1

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG / Foster Eddy TB
Eddy Co. NM

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. / TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279657	10/7		S		X	AH-1 0-1'	1				X			X											X				
658						AH-1 1'-1.5'																			X				
659						AH-1 2'-2.5'																			X				
660						AH-1 3'-3.5'																			X				
661						AH-1 4'-4.5'																							
662						AH-1 5'-5.5'																							
663						AH-2 0-1'								X											X				
664						AH-2 1'-1.5'																			X				
665						AH-2 2'-2.5'																			X				
666						AH-2 3'-3.5'																			X				

RELINQUISHED BY: (Signature) Date: Oct 12, 2011 Time: 9:05

RECEIVED BY: (Signature) Date: 10/12/11 Time: 9:05

SAMPLED BY: (Print & Initial) Date: 10/7/11 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: TIME:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3° intact

REMARKS: Run deeper samples if TPH exceeds 5,000 mg/kg (AH-1 → AH-3)

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Run (20) BTEX on highest TPH., If benzene exceed 10 mg/kg or

WO #: 11101224

Analysis Request of Chain of Custody Record

PAGE: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME:	SITE MANAGER:
COG	Ike Tavarez

PROJECT NO.:	PROJECT NAME:
114-C410035	COG | Foster Eddy TB Eddy Co, NM

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chlorides	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279667	10/7		S		X	AH-3 0-1'	1				X				X											X				
668						AH-3 1'-1.5'																				X				
669						AH-3 2'-2.5'																				X				
670						AH-3 3'-3.5'																				X				
671						AH-4 0-1'									X											X				
672						AH-4 1'-1.5'																				X				
673						AH-4 2'-2.5'																				X				
674						AH-4 3'-3.5'																				X				
675						AH-4 4'-4.5'																								
676						AH-4 5'-5.5'																								

RELINQUISHED BY: (Signature)	Date: 10/12/11 Time: 9:05 Am	RECEIVED BY: (Signature)	Date: 10/12/11 Time: 9:05
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:

SAMPLED BY: (Print & Initial) Date: 10/7/11 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS

AIRBILL #:

OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY: Trimt

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 1101224

Analysis Request of Chain of Custody Record

PAGE: 3

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-4101635

PROJECT NAME: COG / Foster Eddy T13
Eddy Co, NM

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
279677	10/7		S		X	AH-4 6'-6.5'	1				X	
678						AH-5 0-1'						
679						AH-5 1'-1.5'						
680						AH-5 2'-2.5'						
681						AH-5 3'-3.5'						
682						AH-5 4'-4.5'						
683						AH-5 5'-5.5'						
684						AH-5 6'-6.5'						
685						AH-5 7'-7.5'						
686						AH-5 8'-8.5'						

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	TPH 8015 MOD / TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
	X											X				
												X				
												X				
												X				
												X				
												X				
												X				

RELINQUISHED BY: (Signature) — Date: 10/12/11 Time: 9:05 A.M. — RECEIVED BY: (Signature) — Date: 10/12/11 Time: 9:05

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) — Date: 10/7/11 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: — OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE: DATE: TIME:
RECEIVED BY: (Signature)

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.5°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO #111012224

Analysis Request of Chain of Custody Record

PAGE: 4

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6401035

PROJECT NAME: COG / Foster Eddy TB
Eddy Co, NM

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279687	10/7		S		X	AH-5 9'-9.5'	1				X																	
688						AH-6 0-1'								X											X			
689						AH-6 1'-1.5'																			X			
690						AH-6 2'-2.5'																			X			
691						AH-6 3'-3.5'																			X			
692						AH-6 4'-4.5'																			X			
693						AH-6 5'-5.5'																			X			
694						AH-6 6'-6.5'																			X			
695						AH-6 7'-7.5'																							
696						AH-6 8'-8.5'																							

RELINQUISHED BY: (Signature) — Date: 10/12/11 Time: 9:05 A.M. — RECEIVED BY: (Signature) — Date: 10/12/11 Time: 9:05

SAMPLED BY: (Print & Initial) — Date: 10/7/11 Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: — OTHER:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RECEIVING LABORATORY: Trace — RECEIVED BY: (Signature)
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE: DATE: TIME:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 1101224

Analysis Request of Chain of Custody Record

PAGE: 5 OF: 20

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-6401035

PROJECT NAME: COG/ Foster Eddy TB
Eddy Co, NM

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279697	10-7		S		X	AH-6 9'-9.5'	1				X			X											X				
698						AH-7 0-1'																			X				
699						AH-7 1'-1.5'																			X				
700						AH-7 2'-2.5'																			X				
701						AH-7 3'-3.5'																			X				
702						AH-7 4'-4.5'																			X				
703						AH-7 5'-5.5'																			X				
704						AH-7 6'-6.5'																			X				
705						AH-7 7'-7.5'																							
706	↓		↓		↓	AH-7 8'-8.5'	↓				↓																		

RELINQUISHED BY: (Signature) — Date: 10/12/11 Time: 9:65 A.M. — RECEIVED BY: (Signature) — Date: 10/12/11 Time: 9:05

SAMPLED BY: (Print & Initial) — Date: 10/11/11 Time:

RELINQUISHED BY: (Signature) — Date: Time:

RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX HAND DELIVERED BUS UPS — AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) — Date: Time:

RECEIVED BY: (Signature) — Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 11101224

Analysis Request of Chain of Custody Record

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TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-4610135

PROJECT NAME: COG / Foster Eddy TB
Eddy Co, NM

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35) / TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279707	10/7		S		X	AH-7 1'-1.5'	1				X			X											X				
708						AH-8 0'								X											X				
709						AH-8 1'-1.5'																			X				
710						AH-8 2'-2.5'																			X				
711						AH-8 3'-3.5'																			X				
712						AH-8 4'-4.5'																			X				
713						AH-8 5'-5.5'																			X				
714						AH-8 6'-6.5'																			X				
715						AH-8 7'-7.5'																							
716						AH-8 8'-8.5'																							

RELINQUISHED BY: (Signature) — Date: 10/12/11 Time: 9:05 A.M.
RECEIVED BY: (Signature) — Date: 10/12/11 Time: 9:05

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) — Date: 10/7/11 Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: Midland STATE: TX ZIP:
CONTACT: PHONE: DATE: TIME:
RECEIVED BY: (Signature)

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°c intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 11101224

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

PAGE: 7

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-010035

PROJECT NAME: COG 1

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279717	10/7		S			AH-8 9'-9.5'	—				X														X			
718						AH-9 0-1'								X											X			
719						AH-9 1'-1.5'																			X			
720						AH-9 2'-2.5'																			X			
721						AH-9 3'-3.5'																			X			
722						AH-10 0-1'								X											X			
723						AH-10 1'-1.5'																			X			
724						AH-10 2'-2.5'																			X			
725						AH-10 3'-3.5'																			X			
726						AH-10 4'-4.5'																			X			

ANALYSIS REQUEST
(Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 10/12/11 Time: 9:65 AM	RECEIVED BY: (Signature)	Date: 10/12/11 Time: 9:65
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:

SAMPLED BY: (Print & Initial) Date: 10/7/11 Time:

SAMPLE SHIPPED BY: (Circle) FEDEX HAND DELIVERED BUS UPS

AIRBILL #:

OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 11101224

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 0035

PROJECT NAME: COG / Foster Eddy 713 Eddy Co, NM

LAB I.D. NUMBER	DATE 2011	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE
279727	10/7		S		X	AH-10 5'-5.5'	1				X	
728						AH-11 0-1'						
729						1'-1.5'						
730						2'-2.5'						
731						3'-3.5'						
732						AH-12 0-1'						
733						1'-1.5'						
734						2'-2.5'						
735	▼					3'-3.5'	▼				▼	
—												

ANALYSIS REQUEST (Circle or Specify Method No.)

BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
	X											X				
												X				
												X				
												X				
												X				
	X											X				
												X				
												X				
												X				

RELINQUISHED BY: (Signature) Date: 10/11/11 Time: 9:55 A.m.

RECEIVED BY: (Signature) Date: 10/12/11 Time: 7:05

SAMPLED BY: (Print & Initial) Date: 10/7/11 Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: Midland STATE: TX ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: TIME:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.5°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 11101224

Analysis Request of Chain of Custody Record

PAGE: 6 OF: 20

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: IKE Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG / Foster Eddy TB

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
2757360	10-10-11		S		✓	AH-13 0-1'	1							X											X			
737	10-10-11		S		✓	AH-13 1-1.5'	1																		X			
738	10-10-11		S		✓	AH-13 2-2.5'	1																		X			
739	10/10/11		S		✓	AH-13 3-3.5'	1																		X			
740	10/10/11		S		✓	AH-14 0-1	1							X											X			
741	10/10/11		S		✓	AH-14 1-1.5'	1																		X			
742	10/10/11		S		✓	AH-14 2-2.5'	1																		X			
743	10/10/11		S		✓	AH-14 3-3.5'	1																		X			
744	10/10/11		S		✓	AH-14 4-4.5'	1																		X			
745	10/10/11		S		✓	AH-14 5-5.5'	1																		X			

RELINQUISHED BY: (Signature) Date: 10/12/11 Time: 9:05 a.m. RECEIVED BY: (Signature) Date: 10/12/11 Time: 2605

SAMPLED BY: (Print & Initial) Date: Time:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: TRACE RECEIVED BY: (Signature)

ADDRESS: CITY: STATE: ZIP:

CONTACT: PHONE: DATE: TIME:

TETRA TECH CONTACT PERSON: IKE Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 1110124

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG/Foster Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279746	10/10/11		S		✓	AH-14 6-6.5'	1																			X				
747	10/10/11		S		✓	AH-14 7-7.5'	1																			X				
748	10/10/11		S		✓	AH-14 8-8.5'	1																			X				
749	10/10/11		S		✓	AH-14 9-9.5'	1																			X				
750	10/10/11		S		✓	AH-15 0-1'	1								X											X				
751	10/10/11		S		✓	AH-15 1-1.5'	1																			X				
752	10/10/11		S		✓	AH-15 2-2.5'	1																			X				
753	10/10/11		S		✓	AH-15 3-3.5'	1																			X				
754	10/10/11		S		✓	AH-15 4-4.5'	1																			X				
755	10/10/11		S		✓	AH-15 5-5.5'	1																			X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature)	Date: 10/12/11 Time: 9:03 AM	RECEIVED BY: (Signature)	Date: 10/12/11 Time: 9:03
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:
RELINQUISHED BY: (Signature)	Date: Time:	RECEIVED BY: (Signature)	Date: Time:

SAMPLED BY: (Print & Initial) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY: Trace

ADDRESS: RECEIVED BY: (Signature)

CITY: STATE: ZIP:

CONTACT: PHONE: DATE: TIME:

SAMPLE CONDITION WHEN RECEIVED: 43c intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 1110224

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG/ Foster Eddy TB

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279756	10/10/11		S		✓	AH-16 0-1'	1							X												X				
757	10/10/11		S		✓	AH-16 1-1.5'	1																			X				
758	10/10/11		S		✓	AH-16 2-2.5'	1																			X				
759	10/10/11		S		✓	AH-16 3-3.5'	1																			X				
760	10/10/11		S		✓	AH-16 4-4.5'	1																			X				
761	10/10/11		S		✓	AH-16 5-5.5'	1																							
762	10/10/11		S		✓	AH-17 0-1'	1							X												X				
763	10/10/11		S		✓	AH-17 1-1.5'	1																			X				
764	10/10/11		S		✓	AH-17 2-2.5'	1																			X				
765	10/10/11		S		✓	AH-17 3-3.5'	1																			X				

RELINQUISHED BY: (Signature) Date: 10/12/11 Time: 9:07 AM
RECEIVED BY: (Signature) Date: 10/12/11 Time: 9:07

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Initial) Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO #1110 1224

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG / Foster & Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 8081/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279766	10/10/11		S		✓	AH-18 0-1'	1							X										X				
767	10/10/11		S		✓	AH-18 1-1.5'	1																	X				
768	10/10/11		S		✓	AH-18 2-2.5'	1																	X				
769	10/10/11		S		✓	AH-18 3-3.5'	1																	X				
770	10/10/11		S		✓	AH-18 4-4.5'	1																	X				
771	10/10/11		S		✓	AH-18 5-5.5'	1																	X				
772	10/10/11		S		✓	AH-18 6-6.5'	1																	X				
773	10/10/11		S		✓	AH-18 7-7.5'	1																	X				
774	10/10/11		S		✓	AH-18 8-8.5'	1																	X				
775	10/10/11		S		✓	AH-19 0-1'	1							X										X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 10/12/11 Time: 9:00 A.M. — RECEIVED BY: (Signature) — Date: 10/12/11 Time: 9105

SAMPLED BY: (Print & Initial) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS: CITY: STATE: ZIP:

CONTACT: PHONE: — RECEIVED BY: (Signature) — DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°c intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 1110224

Analysis Request of Chain of Custody Record

PAGE: 13 OF: 20

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG/Foster Eddy TB

ANALYSIS REQUEST (Circle or Specify Method No.)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Past. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279776	10/10/11		S		✓	AH-19 1-1.5'	1																		X				
777	10/10/11		S		✓	AH-19 2-2.5'	1																		X				
778	10/10/11		S		✓	AH-19 3-3.5'	1																		X				
779	10/10/11		S		✓	AH-19 4-4.5'	1																						
780	10/10/11		S		✓	AH-19 5-5.5'	1																						
781	10/10/11		S		✓	AH-19 6-6.5'	1																						
782	10/10/11		S		✓	AH-19 7-7.75'	1																						
783	10/10/11		S		✓	AH-19 8-8.5'	1																						
784	10/10/11		S		✓	AH-19 9-9.5'	1																						
785	10/10/11		S		✓	AH-20 0-1'	1							X											X				

RELINQUISHED BY: (Signature) — Date: 10/12/11 Time: 9:08 AM — RECEIVED BY: (Signature) — Date: 10/12/11 Time: 9:05

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: — OTHER:

RECEIVING LABORATORY: Trace — ADDRESS: — CITY: — STATE: — ZIP: — CONTACT: — PHONE: — RECEIVED BY: (Signature) — DATE: — TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 111012024

E-20

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG/Foster Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279786	10/10/11		S		✓	AH-20 1-1.5'	1																	X				
787	10/10/11		S		✓	AH-20 2-2.5'	1																	X				
788	10/10/11		S		✓	AH-20 3-3.5'	1																	X				
789	10/10/11		S		✓	AH-20 4-4.5'	1																	X				
790	10/10/11		S		✓	AH-21 0-1'	1							X										X				
791	10/10/11		S		✓	AH-21 1-1.5'	1																	X				
792	10/10/11		S		✓	AH-21 2-2.5'	1																	X				
793	10/10/11		S		✓	AH-21 3-3.5'	1																	X				
794	10/10/11		S		✓	AH-22 0-1'	1							X										X				
795	10/10/11		S		✓	AH-22 1-1.5'	1																	X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 10/12/11 Time: 7:08 AM

RECEIVED BY: (Signature) Date: 10/12/11 Time: 9108

SAMPLED BY: (Print & Initial) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RECEIVING LABORATORY: TraCe

ADDRESS: RECEIVED BY: (Signature)

CITY: STATE: ZIP:

CONTACT: PHONE: DATE: TIME:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO# 11101224

Analysis Request of Chain of Custody Record

PAGE: 15 OF: 20

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG/Fostel Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
27976	10/10/11		S		G	AH-22 2-2.5'	1																	X				
797	10/10/11		S		G	AH-22 3-3.5'	1																	X				
798	10/10/11		S		G	AH-23 0-1'	1							X										X				
799	10/10/11		S		G	AH-23 1-1.5'	1																	X				
800	10/10/11		S		G	AH-23 2-2.5'	1																	X				
801	10/10/11		S		G	AH-23 3-3.5'	1																	X				
802	10/10/11		S		G	AH-23 4-4.5'	1																	X				
803	10/10/11		S		G	AH-23 5-5.5'	1																	X				
804	10/10/11		S		G	AH-23 6-6.5'	1																	X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 10/12/11 Time: 9:10 am

RECEIVED BY: (Signature) Date: 10/12/11 Time: 9:10

SAMPLED BY: (Print & Initial) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS

AIRBILL #:

OTHER:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS:

CITY: STATE: ZIP:

CONTACT: PHONE: DATE: TIME:

RECEIVED BY: (Signature)

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 11101224

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Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG / Foster Eddy T13

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279805	10/7/11		S		V	AH-24 0-1'	1								X											X				
806	10/7/11		S		V	AH-24 1-1.5'	1																			X				
807	10/7/11		S		V	AH-24 2-2.5'	1																			X				
808	10/7/11		S		V	AH-24 3-3.5'	1																			X				
809	10/7/11		S		V	AH-24 4-4.5'	1																			X				
810	10/7/11		S		V	AH-24 5-5.5'	1																			X				
811	10/7/11		S		V	AH-24 6-6.5'	1																			X				
812	10/7/11		S		V	AH-24 7-7.5'	1																			X				
813	10/7/11		S		V	AH-25 0-1'	1								X											X				
814	10/7/11		S		V	AH-25 1-1.5'	1																			X				

RELINQUISHED BY: (Signature) — Date: 10/13/11 Time: 9:08 AM — RECEIVED BY: (Signature) — Date: 10/13/11 Time: 9:35

SAMPLED BY: (Print & Initial) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) — Date: Time: — RECEIVED BY: (Signature) — Date: Time:

RECEIVING LABORATORY: Trace — RECEIVED BY: (Signature)
ADDRESS: CITY: STATE: ZIP:
CONTACT: PHONE: DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°C intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO # 1110224

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 2

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG / Foster Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH TX1005 (Ext. to C35)	TPH 8015 MOD.	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279815	10/7/11		S		✓	AH-25 2-2.5'	1																			X				
816	10/7/11		S		✓	AH-25 3-3.5'	1																			X				
817	10/7/11		S		✓	AH-26 0-1'	1							X												X				
818	10/7/11		S		✓	AH-26 1-1.5'	1																			X				
819	10/7/11		S		✓	AH-26 2-2.5'	1																			X				
820	10/7/11		S		✓	AH-26 3-3.5'	1																			X				
821	10/7/11		S		✓	AH-27 0-1'	1							X												X				
822	10/7/11		S		✓	AH-27 1-1.5'	1																			X				
823	10/7/11		S		✓	AH-27 2-2.5'	1																			X				
824	10/7/11		S		✓	AH-27 3-3.5'	1																			X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 10/13/11 Time: 9:08 a.m.
RECEIVED BY: (Signature) — Date: 10/13/11 Time: 9:08

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) — Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

RECEIVING LABORATORY: Trace
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE:
RECEIVED BY: (Signature)
DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3 c intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

WO #1110 1224

Analysis Request of Chain of Custody Record

PAGE: 18 OF: 20

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG / Foster Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279825	10/7/11		S		✓	AH-28 0-1'	1							X										X				
826	10/7/11		S		✓	AH-28 1-1.5'	1																	X				
827	10/7/11		S		✓	AH-28 2-2.5'	1																	X				
828	10/7/11		S		✓	AH-28 3-3.5'	1																	X				
829	10/6/11		S		✓	AH-29 0-1'	1							X										X				
830	10/6/11		S		✓	AH-29 1-1.5'	1																	X				
831	10/6/11		S		✓	AH-29 2-2.5'	1																	X				
832	10/6/11		S		✓	AH-29 3-3.5'	1																	X				
833	10/6/11		S		✓	AH-30 0-1'	1							X										X				
834	10/6/11		S		✓	AH-30 1-1.5'	1																	X				

RELINQUISHED BY: (Signature) Date: 10/12/11 Time: 9:08 A.m. RECEIVED BY: (Signature) Date: 10/12/11 Time: 9:08

SAMPLED BY: (Print & Initial) Date: Time:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

RELINQUISHED BY: (Signature) Date: Time: RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace
ADDRESS: RECEIVED BY: (Signature)
CITY: STATE: ZIP:
CONTACT: PHONE: DATE: TIME:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 13c intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640 1035

PROJECT NAME: COG/ Foster Eddy TB

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
279835	10/6/11		S		✓	AH-30 2-2.5'	1																	X				
836	10/6/11		S		✓	AH-30 3-3.5'	1																	X				
837	10/6/11		S		✓	AH-31 0-1'	1							X										X				
838	10/6/11		S		✓	AH-31 1-1.5'	1																	X				
839	10/6/11		S		✓	AH-31 2-2.5'	1																	X				
DT	10/6/11		S		✓	AH-31 3-3.5'	1																	X				No Sample
840	10/6/11		S		✓	AH-32 0-1'	1							X										X				
841	10/6/11		S		✓	AH-32 1-1.5'	1																	X				
842	10/6/11		S		✓	AH-32 2-2.5'	1																	X				
843	10/6/11		S		✓	AH-32 3-3.5'	1																	X				

RELINQUISHED BY: (Signature) Date: 10/12/11 Time: 9:08 AM

RECEIVED BY: (Signature) Date: 10/12/11 Time: 9:08

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RELINQUISHED BY: (Signature) Date: Time:

RECEIVED BY: (Signature) Date: Time:

RECEIVING LABORATORY: Trace

ADDRESS: CITY: STATE: ZIP:

CONTACT: PHONE:

RECEIVED BY: (Signature)

DATE: TIME:

SAMPLED BY: (Print & Initial) Date: Time:

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS

AIRBILL #:

OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 1.3°c intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

LAB Order ID # 1110224

TraceAnalysis, Inc.

email: lab@traceanalysis.com

6701 Aberdeen Avenue, Suite 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1296

5002 Basin Street, Suite A1
Midland, Texas 79703
Tel (432) 689-6301
Fax (432) 689-6313

200 East Sunset Rd., Suite E
El Paso, Texas 79922
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

BioAquatic Testing
2501 Mayes Rd., Ste 100
Carrollton, Texas 75006
Tel (972) 242-7750

Company Name: Tetra Tech — **Phone #:**

Address: (Street, City, Zip) — **Fax #:**

Contact Person: Ike Tavarez — **E-mail:**

Invoice to:
(If different from above)

Project #: 114-641035 — **Project Name:** CoG/Foster Eddy TB

Project Location (Including state): Eddy Co, NM — **Sampler Signature:**

ANALYSIS REQUEST
(Circle or Specify Method No.)

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume / Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCl	HNO_3	H_2SO_4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
279871	AH-27 4-4.5'	1	4oz		X							X	X	10/7/2011	
872	AH-30 4-4.5'	↓	↓		X							X	X	10/6	

MTBE 8021 / 602 / 8260 / 624	BTEX 8021 / 602 / 8260 / 624	TPH 418.1 / TX1005 / TX1005 Ext(C35)	TPH 8015 GRO / DRO / TVHC	PAH 8270 / 625	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	GC/MS Vol. 8260 / 624	GC/MS Semi. Vol. 8270 / 625	PCB's 8082 / 608	Pesticides 8081 / 608	BOD, TSS, pH	Moisture Content	Cl, Fl, S04, NO3, NO2, Alkalinity	Na, Ca, Mg, K, TDS, EC	Turn Around Time if different from standard	Hold
																				X
																				X

Relinquished by:	Company:	Date:	Time:	Received by:	Company:	Date:	Time:	
					T/A	10/12/11	9:05	INST ____ OBS 1.3 °C COR ____ °C
								INST ____ OBS ____ °C COR ____ °C
					T/A	10/14/11	9:15	INST IR OBS 3.2 °C COR 3.4 °C

LAB USE ONLY
Intact Y / N
Headspace Y / N / NA
Log-in-Review

REMARKS:

- ☐ Dry Weight Basis Required
- ☐ TRRP Report Required
- ☐ Check If Special Reporting Limits Are Needed

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C. O. C.

Carrier # (LS) 2945584, 2945579

ORIGINAL COPY

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: October 25, 2011

Work Order: 11101224

Project Location: Eddy Co., NM
Project Name: COG/Foster Eddy TB
Project Number: 114-6401035

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
279804	AH-23 6-6.5'	soil	2011-10-10	00:00	2011-10-12
279812	AH-24 7-7.5'	soil	2011-10-07	00:00	2011-10-12

Sample: 279804 - AH-23 6-6.5'

Param	Flag	Result	Units	RL
Chloride		**840**	mg/Kg	4

Sample: 279812 - AH-24 7-7.5'

Param	Flag	Result	Units	RL
Chloride		**1880**	mg/Kg	4

Summary Report

Ike Tavarez
Tetra Tech
1910 N. Big Spring Street
Midland, TX 79705

Report Date: March 29, 2012

Work Order: 12032615

Project Location: Eddy Co., NM
Project Name: COG/Foster Eddy TB
Project Number: 114-6401035

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
292296	CS-1 Sidewall (AH-7)	soil	2012-03-19	00:00	2012-03-26
292297	CS-2 Sidewall (AH-7)	soil	2012-03-19	00:00	2012-03-26
292298	CS-3 Sidewall (AH-7)	soil	2012-03-19	00:00	2012-03-26
292299	CS-4 Bottom hole 1' (AH-7)	soil	2012-03-19	00:00	2012-03-26
292300	CS-5 Sidewall (AH-8)	soil	2012-03-19	00:00	2012-03-26
292301	CS-6 Sidewall (AH-8)	soil	2012-03-19	00:00	2012-03-26
292302	CS-7 Bottom Hole 1' (AH-8)	soil	2012-03-19	00:00	2012-03-26
292303	CS-8 Sidewall (AH-8)	soil	2012-03-19	00:00	2012-03-26
292304	CS-9 Sidewall (AH-14)	soil	2012-03-16	00:00	2012-03-26
292305	CS-10 Sidewall (AH-14)	soil	2012-03-16	00:00	2012-03-26
292306	CS-11 Sidewall (AH-14)	soil	2012-03-16	00:00	2012-03-26
292307	CS-12 Sidewall (AH-14)	soil	2012-03-16	00:00	2012-03-26
292308	CS-13 Bottom Hole 2' (AH-14)	soil	2012-03-16	00:00	2012-03-26
292309	CS-14 Sidewall (AH-17)	soil	2012-03-19	00:00	2012-03-26
292310	CS-15 Sidewall (AH-17)	soil	2012-03-19	00:00	2012-03-26
292311	CS-16 Sidewall (AH-17)	soil	2012-03-19	00:00	2012-03-26
292312	CS-17 Sidewall (AH-17)	soil	2012-03-19	00:00	2012-03-26
292313	CS-18 Bottom Hole 1' (AH-17)	soil	2012-03-19	00:00	2012-03-26
292314	CS-19 Sidewall (AH-21)	soil	2012-03-19	00:00	2012-03-26
292315	CS-20 Sidewall (AH-21)	soil	2012-03-19	00:00	2012-03-26
292316	CS-21 Sidewall (AH-21)	soil	2012-03-15	00:00	2012-03-26
292317	CS-22 Bottom Hole 1' (AH-21)	soil	2012-03-15	00:00	2012-03-26
292318	CS-23 Sidewall (AH-22)	soil	2012-03-15	00:00	2012-03-26
292319	CS-24 Sidewall (AH-22)	soil	2012-03-16	00:00	2012-03-26
292320	CS-25 Sidewall (AH-22)	soil	2012-03-20	00:00	2012-03-26
292321	CS-26 Bottom Hole 1' (AH-22)	soil	2012-03-20	00:00	2012-03-26
292322	CS-27 Sidewall (AH-24)	soil	2012-03-20	00:00	2012-03-26
292323	CS-28 Sidewall (AH-24)	soil	2012-03-20	00:00	2012-03-26
292324	CS-29 Sidewall (AH-24)	soil	2012-03-20	00:00	2012-03-26
292325	CS-30 Sidewall (AH-24)	soil	2012-03-20	00:00	2012-03-26

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
292326	CS-31 Bottom Hole 4' (AH-24)	soil	2012-03-20	00:00	2012-03-26
292327	CS-32 Sidewall (AH-28)	soil	2012-03-14	00:00	2012-03-26
292328	CS-33 Sidewall (AH-28)	soil	2012-03-14	00:00	2012-03-26
292329	CS-34 Sidewall (AH-28)	soil	2012-03-14	00:00	2012-03-26
292330	CS-35 Bottom Hole 1' (AH-28)	soil	2012-03-14	00:00	2012-03-26
292331	CS-36 Sidewall (AH-29)	soil	2012-03-14	00:00	2012-03-26
292332	CS-37 Sidewall (AH-29)	soil	2012-03-14	00:00	2012-03-26
292333	CS-38 Bottom Hole 1' (AH-29)	soil	2012-03-14	00:00	2012-03-26
292334	CS-39 Sidewall (AH-29)	soil	2012-03-14	00:00	2012-03-26
292335	CS-40 Sidewall (AH-4)	soil	2012-03-19	00:00	2012-03-26
292336	CS-41 Sidewall (AH-4)	soil	2012-03-19	00:00	2012-03-26
292337	CS-42 Sidewall (AH-4)	soil	2012-03-19	00:00	2012-03-26
292338	CS-43 Sidewall (AH-4)	soil	2012-03-19	00:00	2012-03-26
292339	CS-44 Bottom Hole 3' (AH-4)	soil	2012-03-19	00:00	2012-03-26
292340	Trench-1 8' (AH-24)	soil	2012-03-20	00:00	2012-03-26
292341	Trench-1 9' (AH-24)	soil	2012-03-20	00:00	2012-03-26
292342	Trench-1 10' (AH-24)	soil	2012-03-20	00:00	2012-03-26

Sample: 292296 - CS-1 Sidewall (AH-7)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292297 - CS-2 Sidewall (AH-7)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292298 - CS-3 Sidewall (AH-7)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292299 - CS-4 Bottom hole 1' (AH-7)

Param	Flag	Result	Units	RL
Chloride		**325**	mg/Kg	4

Sample: 292300 - CS-5 Sidewall (AH-8)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292301 - CS-6 Sidewall (AH-8)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292302 - CS-7 Bottom Hole 1' (AH-8)

Param	Flag	Result	Units	RL
Chloride		**239**	mg/Kg	4

Sample: 292303 - CS-8 Sidewall (AH-8)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292304 - CS-9 Sidewall (AH-14)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292305 - CS-10 Sidewall (AH-14)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292306 - CS-11 Sidewall (AH-14)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292307 - CS-12 Sidewall (AH-14)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292308 - CS-13 Bottom Hole 2' (AH-14)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292309 - CS-14 Sidewall (AH-17)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292310 - CS-15 Sidewall (AH-17)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292311 - CS-16 Sidewall (AH-17)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292312 - CS-17 Sidewall (AH-17)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292313 - CS-18 Bottom Hole 1' (AH-17)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292314 - CS-19 Sidewall (AH-21)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292315 - CS-20 Sidewall (AH-21)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292316 - CS-21 Sidewall (AH-21)

Param	Flag	Result	Units	RL
Chloride		**314**	mg/Kg	4

Sample: 292317 - CS-22 Bottom Hole 1' (AH-21)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292318 - CS-23 Sidewall (AH-22)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292319 - CS-24 Sidewall (AH-22)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292320 - CS-25 Sidewall (AH-22)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292321 - CS-26 Bottom Hole 1' (AH-22)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292322 - CS-27 Sidewall (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292323 - CS-28 Sidewall (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292324 - CS-29 Sidewall (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292325 - CS-30 Sidewall (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292326 - CS-31 Bottom Hole 4' (AH-24)

Param	Flag	Result	Units	RL
Chloride		**408**	mg/Kg	4

Sample: 292327 - CS-32 Sidewall (AH-28)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292328 - CS-33 Sidewall (AH-28)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292329 - CS-34 Sidewall (AH-28)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292330 - CS-35 Bottom Hole 1' (AH-28)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292331 - CS-36 Sidewall (AH-29)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292332 - CS-37 Sidewall (AH-29)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292333 - CS-38 Bottom Hole 1' (AH-29)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292334 - CS-39 Sidewall (AH-29)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292335 - CS-40 Sidewall (AH-4)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292336 - CS-41 Sidewall (AH-4)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292337 - CS-42 Sidewall (AH-4)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292338 - CS-43 Sidewall (AH-4)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292339 - CS-44 Bottom Hole 3' (AH-4)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292340 - Trench-1 8' (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292341 - Trench-1 9' (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

Sample: 292342 - Trench-1 10' (AH-24)

Param	Flag	Result	Units	RL
Chloride		<200	mg/Kg	4

#1203261S

Analysis Request of Chain of Custody Record

PAGE: 1 OF: 5

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

ANALYSIS REQUEST
(Circle or Specify Method No.)

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 6401035 114-6401035

PROJECT NAME: Federal Foster Eddy Tank Battery (Eddy County)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC:MS Vol. 8240/8260/624	GC:MS Semi. Vol. 8270/825	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
297	3/9/12	BAS	S		X	CS-1 Sidewall (AH-7)	1				X														X				
297			S		X	CS-2 Sidewall (AH-7)	1				X														X				
298			S		X	CS-3 sidewall (AH-7)	1				X														X				
299			S		X	CS-4 Bottom Hole 1' (AH-7)	1				X														X				
300			S		X	CS-5 sidewall (AH-8)	1				X														X				
301			S		X	CS-6 Sidewall (AH-8)	1				X														X				
302			S		X	CS-7 Bottom Hole, 1' (AH-8)	1				X														X				
303	↓		S		X	CS-8 sidewall (AH-8)	1				X														X				
304	3/6/12		S		X	CS-9 Sidewall (AH-14)	1				X														X				
305	3/6/12		S		X	CS-10 Sidewall (AH-14)	1				X														X				

RELINQUISHED BY: (Signature) — Date: 3/20/12 Time: 1330
RECEIVED BY: (Signature) — Date: 3/26 Time: 1030
SAMPLED BY: (Print & Initial) Brian Schaese BAS — Date: 3/6/12 Time: 1200

RELINQUISHED BY: (Signature) — Date: 3/26/12 Time: 1100
RECEIVED BY: (Signature) — Date: 3/26/12 Time: 1100
SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: — OTHER:

RELINQUISHED BY: (Signature) — Date: — Time:
RECEIVED BY: (Signature) — Date: — Time:
TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE: DATE: TIME:
RECEIVED BY: (Signature)

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 2 4° intact

REMARKS: All to Xenco Midland

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

1202615

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 620103S
114-6401103S

PROJECT NAME: Federal Foster Eddy Tank Battery (Eddy County)

LAB I.D. NUMBER	DATE	TIME (BRS)	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION		NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
312306	3/16/12		S		X	CS-11 sidewall	(AH-14)	1				X														X				
307	↓		S		X	CS-12 sidewall	(AH-14)	1				X														X				
308			S		X	CS-13 Bottom Hole 2'	(AH-14)	1				X														X				
309	3/16/12		S		X	CS-14 sidewall	(AH-17)	1				X														X				
310			S		X	CS-15 sidewall	(AH-17)	1				X														X				
311			S		X	CS-16 sidewall	(AH-17)	1				X														X				
312			S		X	CS-17 sidewall	(AH-17)	1				X														X				
313			S		X	CS-18 Bottom Hole 1'	(AH-17)	1				X														X				
314			S		X	CS-19 sidewall	(AH-21)	1				X														X				
315	↓		S		X	CS-20 sidewall	(AH-21)	1				X														X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) Date: 3/26/12 Time: 1330
RECEIVED BY: (Signature) Date: 3/26/12 Time: 1030

RELINQUISHED BY: (Signature) Date: 3/26/12 Time: 1100
RECEIVED BY: (Signature) Date: 3/26/12 Time: 1100

RELINQUISHED BY: (Signature) Date: Time:
RECEIVED BY: (Signature) Date: Time:

SAMPLED BY: (Print & Initial) Brian Schauer BRS Date: 3/16/12 Time: 1140

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS AIRBILL #: OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE: DATE: TIME:
RECEIVED BY: (Signature)

SAMPLE CONDITION WHEN RECEIVED: 240 intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

12032615

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640H035 1035

PROJECT NAME: Foster Gdcty Federal 1 Tank Battery (Eddy County)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC:MS Vol. 8240/8260/624	GC:MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
292316	3/15/12	BAS	S		X	CS-21 Sidewall (AH-21)	1				X														X				
317			S		X	CS-22 Bottom Hole 1' (AH-21)	1				X														X				
318	↓		S		X	CS-23 Sidewall (AH-22)	1				X														X				
319	3/16/12		S		X	CS-24 Sidewall (AH-22)	1				X														X				
320	3/20/12		S		X	CS-25 Sidewall (AH-22)	1				X														X				
321			S		X	CS-26 Bottom Hole 1' (AH-22)	1				X														X				
322			S		X	CS-27 Sidewall (AH-24)	1				X														X				
323			S		X	CS-28 Sidewall (AH-24)	1				X														X				
324			S		X	CS-29 Sidewall (AH-24)	1				X														X				
325	↓		S		X	CS-30 Sidewall (AH-24)	1				X														X				

ANALYSIS REQUEST (Circle or Specify Method No.)

RELINQUISHED BY: (Signature) — Date: 3/20/12 Time: 1330 — RECEIVED BY: (Signature) — Date: 3/26/12 Time: 1036

RELINQUISHED BY: (Signature) — Date: 3/26/12 Time: 1100 — RECEIVED BY: (Signature) — Date: 3/26/12 Time: 1100

RELINQUISHED BY: (Signature) — Date: — Time: — RECEIVED BY: (Signature) — Date: — Time:

SAMPLED BY: (Print & Initial) Brian Schalee BAS — Date: 3/19/12 Time: 1200

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: — OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY: — RECEIVED BY: (Signature)

ADDRESS: — CITY: — STATE: — ZIP: — CONTACT: — PHONE: — DATE: — TIME:

SAMPLE CONDITION WHEN RECEIVED: 2.4 Intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.

#1203261S

Analysis Request of Chain of Custody Record

PAGE: 4 OF: 5

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 640 1035 114-~~640 1035~~ BDS

PROJECT NAME: Foster Eddy Federal Tank Battery (Eddy County)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
29232~~6~~	3/20/12		S		X	CS-31 Bottom Hole 4' (AH-24)	1				X													X				
328	3/20/12		S		X	CS-32 sidewall (AH-28)	1				X													X				
329			S		X	CS-33 Sidewall (AH-28)	1				X													X				
330			S		X	CS-34 sidewall (AH-28)	1				X													X				
330			S		X	CS-35 Bottom Hole 1' (AH-28)	1				X													X				
331			S		X	CS-36 Sidewall (AH-29)	1				X													X				
332			S		X	CS-37 sidewall (AH-29)	1				X													X				
333			S		X	CS-38 ~~sidewall~~ Bottom Hole 1' BDS (AH-29)	1				X													X				
334			S		X	CS-39 sidewall (AH-29)	1				X													X				
335	3/19/12		S		X	CS-40 sidewall (AH-4)	1				X													X				

RELINQUISHED BY: (Signature) Dan Shaw — Date: 3/20/12 Time: 1330

RECEIVED BY: (Signature) — Date: 3/26/12 Time: 1038

SAMPLED BY: (Print & Initial) Brian Schavee BDS — Date: 3/19/12 Time: 1700

RELINQUISHED BY: (Signature) — Date: 3/26/12 Time: 1100

RECEIVED BY: (Signature) — Date: 3/26/12 Time: 1100

SAMPLE SHIPPED BY: (Circle) FEDEX BUS HAND DELIVERED UPS — AIRBILL #: — OTHER:

RELINQUISHED BY: (Signature) — Date: — Time:

RECEIVED BY: (Signature) — Date: — Time:

TETRA TECH CONTACT PERSON: Ike Tavarez — Results by:

RECEIVING LABORATORY: — RECEIVED BY: (Signature)

ADDRESS: — CITY: — STATE: — ZIP: — CONTACT: — PHONE: — DATE: — TIME:

RUSH Charges Authorized: Yes No

SAMPLE CONDITION WHEN RECEIVED: 2-4° Intact

REMARKS:

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1203015

Analysis Request of Chain of Custody Record

TETRA TECH
1910 N. Big Spring St.
Midland, Texas 79705
(432) 682-4559 • Fax (432) 682-3946

CLIENT NAME: COG

SITE MANAGER: Ike Tavarez

PROJECT NO.: 114-640103 5

PROJECT NAME: Foster Eddy Federal Tank Battery (Eddy County)

LAB I.D. NUMBER	DATE	TIME	MATRIX	COMP.	GRAB	SAMPLE IDENTIFICATION	NUMBER OF CONTAINERS	FILTERED (Y/N)	PRESERVATIVE METHOD: HCL	HNO3	ICE	NONE	ANALYSIS REQUEST (Circle or Specify Method No.): BTEX 8021B	TPH 8015 MOD. TX1005 (Ext. to C35)	PAH 8270	RCRA Metals Ag As Ba Cd Cr Pb Hg Se	TCLP Metals Ag As Ba Cd Vr Pd Hg Se	TCLP Volatiles	TCLP Semi Volatiles	RCI	GC.MS Vol. 8240/8260/624	GC.MS Semi. Vol. 8270/625	PCB's 8080/608	Pest. 808/608	Chloride	Gamma Spec.	Alpha Beta (Air)	PLM (Asbestos)	Major Anions/Cations, pH, TDS
337	3/19/12		S		X	CS-41 sidewall (AH-4)	1				X														X				
338			S		X	CS-42 sidewall (AH-4)	1				X														X				
339			S		X	CS-43 sidewall (AH-4)	1				X														X				
340			S		X	CS-44 Bottom Hole 3' (AH-4)	1				X														X				
341	3/20/12		S		X	Trench-1 8' (AH-24)	1				X														X				
342			S		X	Trench-1 9' (AH-24)	1				X														X				
			S		X	Trench-1 10' (AH-24)	1				X														X				

RELINQUISHED BY: (Signature) — Date: 3/22/12 Time: 1330
RECEIVED BY: (Signature) — Date: 3/22/12 Time: 1030

RELINQUISHED BY: (Signature) — Date: 3/22/12 Time: 1106
RECEIVED BY: (Signature) — Date: 3/22/12 Time: 11:20

RELINQUISHED BY: (Signature) — Date: Time:
RECEIVED BY: (Signature) — Date: Time:

SAMPLED BY: (Print & Initial) Brian Schauer BAS — Date: 3/19/12 Time: 1720

SAMPLE SHIPPED BY: (Circle)
FEDEX BUS
HAND DELIVERED UPS
AIRBILL #:
OTHER:

TETRA TECH CONTACT PERSON: Ike Tavarez

Results by:

RUSH Charges Authorized: Yes No

RECEIVING LABORATORY:
ADDRESS:
CITY: STATE: ZIP:
CONTACT: PHONE: DATE: TIME:
RECEIVED BY: (Signature)

SAMPLE CONDITION WHEN RECEIVED: 24 intact

REMARKS:

Please fill out all copies - Laboratory retains Yellow copy - Return Orginal copy to Tetra Tech - Project Manager retains Pink copy - Accounting receives Gold copy.